



# PV SYSTEM CATALOGUE

太阳能系统目录册



Energy for everybody  
乐享新能源



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# Off-grid Solar Power System

## Features:

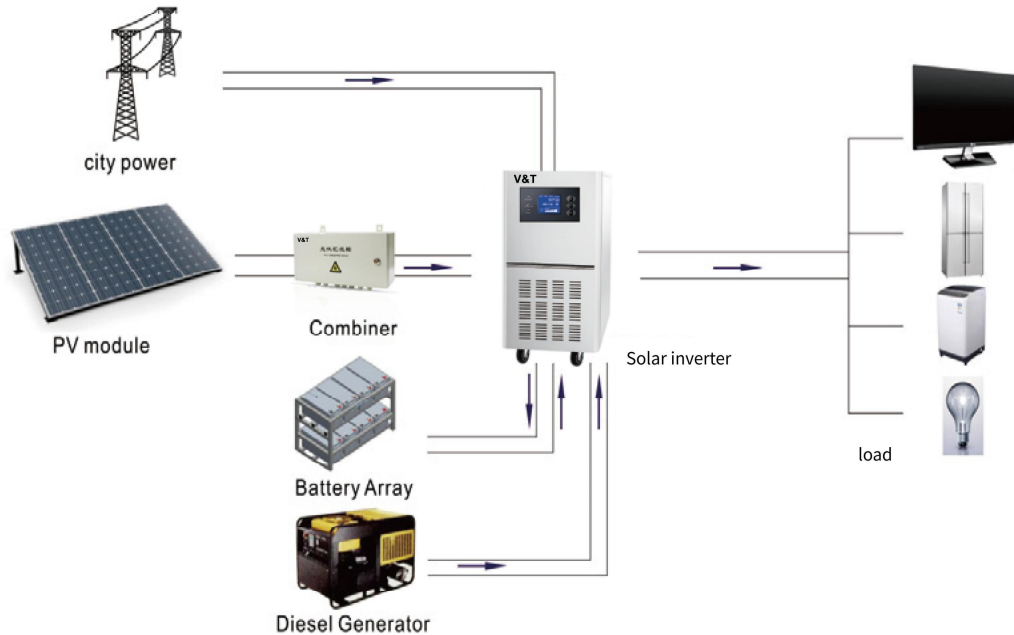
- Continuous, standard and stable pure sine wave with LCD display
- The system can provide electricity produced by solar energy to loads directly
- PV priority mode or AC priority mode is identified and switched automatically
- The system will act as UPS
- The system build in stabilizer with AVR function
- Integrated with inverter, solar controller inside, adopts 1 CPU control
- UPS Auto-switched, self-recovery and unattended operation functions

## All-around protection:

- DC over-voltage protection/over-voltage self-recovery
- DC low-voltage protection/low-voltage self-recovery
- Over charge protection/over discharge protection
- Over temperature protection/short-circuit protection/SPD
- Overload protection: 120% of the loads, shut down automatically after 30S;  
150% of the loads, shut down automatically after 10S;  
200% of the loads, shut down automatically after 1S



## Working Mode Diagram:



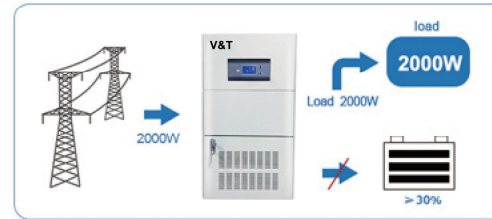
## Working mode



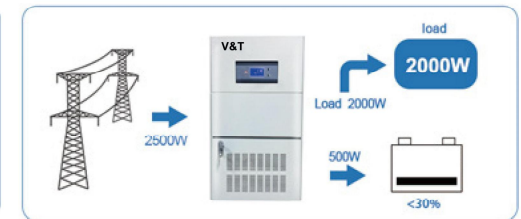
**Mode 1: Solar energy is sufficient**  
Solar power feed the loads directly, the excess power will be stored into the batteries



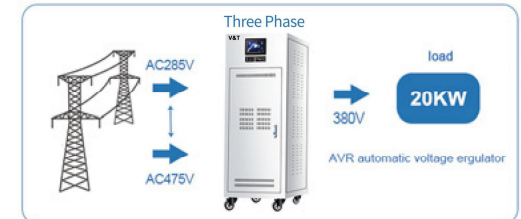
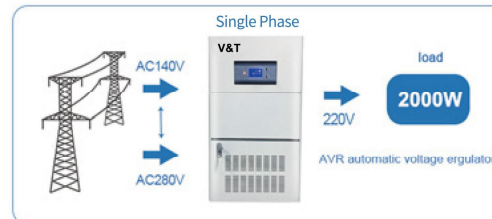
**Mode 2: Solar energy is insufficient**  
The backup battery power will support the loads together with solar power



**Mode 3: During night or special weather, poor solar power, The grid power will supply to the loads**  
A. If battery's capacity is more than 30%, the grid power will not charge battery



B. When battery is lower than the low voltage protection value, the grid power charge the battery at the same time



AVR automatic voltage regulator. The system can automatically stabilize the output voltage to AC220V/380V.

# Single-phase Series



**VTN3000**



**VTX3000**



**VTX3000 Li**



**VTN5000**



**VTX5000**



**VTX5000 Li**

# Single-phase Series

Model No		VTN3000	VTX3000	VTX3000 Li
Basic Configuration (Adjustable)	Inverter	3KW, with built-in solar controller		
	Solar Panels	8pcs 345W Mono		
	Battery	4pcs 12V 150AH GEL Battery	4pcs 12V 150AH GEL Battery(built in)	3pcs 48V 50AH LiFePO4 Battery(built in)
Inverter Parameter	Rated Output Power(W)	3000W		
	DC Input Voltage (V)	DC 48V		
	AC Input Voltage (V)	110VAC/220VAC±10%		
	Frequency (HZ)	60Hz/50Hz±0.5Hz		
	Output Wave	Pure sine wave		
	Transfer Efficiency	≥85%		
	Packing Mterial	Wooden case		
	Packing Size (MM)	585×355×630mm	630×545×1055mm	685×635×1200mm
	G.W./CTN (KG(S))	53.20kg	217.60kg	209.8 kg
	Solar Controller Parameter	Solar Controller Input Range (V)	DC60V-DC100V	
Recommanded Input Voltage (V)		DC72V		
Charging Current (A)		50A		
Charging Efficiency		96% (Max)		
Charger Type		MPPT/PWM		
Maximum Input Power (W)		3000W		
AC Charging Parameter	Charging Current (A)	15A		
	AC Input Voltage (V)	AC145±5V- AC275±5V		
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)		
Battery Parameter	Battery Type	GEL Battery		LiFePO4 Battery
	Battery Input Voltage (V)	48V		
	Battery Capacity (AH)	150AH		
Solar Panel Parameter	Power Output (W)	345W		
	Voltage at Pmax (V)	32.52V		
	Current at Pmax (A)	8.47A		
	Open-Circuit Voltage (V)	38.52V		
	Short-Circuit Voltage (A)	8.94A		

Model No		VTN5000	VTX5000	VTX5000 Li
Basic Configuration (Adjustable)	Inverter	5KW, with built-in solar controller		
	Solar Panels	12pcs 345W Mono		12pcs 345W Mono
	Battery	8pcs 12V 200AH GEL Battery	8pcs 12V 200AH GEL Battery(built in)	4pcs 48V 50AH LiFePO4 Battery(built in)
Inverter Parameter	Rated Output Power(W)	5000W		
	DC Input Voltage (V)	DC 96V		DC 48V
	AC Input Voltage (V)	110VAC/220VAC±10%		
	Frequency (HZ)	60Hz/50Hz±0.5Hz		
	Output Wave	Pure sine wave		
	Transfer Efficiency	≥85%		
	Packing Mterial	Wooden case		
	Packing Size (MM)	630×345×680mm	1050×750×1515mm	685×635×1200mm
	G.W./CTN (KG(S))	63.00kg	699kg	209.8 kg
	Solar Controller Parameter	Solar Controller Input Range (V)	DC120V-DC200V	
Recommanded Input Voltage (V)		DC144V		DC72V
Charging Current (A)		50A		
Charging Efficiency		96% (Max)		
Charger Type		MPPT/PWM		
Maximum Input Power (W)		5000W		
AC Charging Parameter	Charging Current (A)	15A		
	AC Input Voltage (V)	AC145±5V- AC275±5V		
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)		
Battery Parameter	Battery Type	GEL Battery		LiFePO4 Battery
	Battery Input Voltage (V)	96V		
	Battery Capacity (AH)	200AH		
Solar Panel Parameter	Power Output (W)	345W		
	Voltage at Pmax (V)	32.52V		
	Current at Pmax (A)	8.47A		
	Open Circuit Voltage (V)	38.52V		
	Short-Circuit Voltage (A)	8.94A		

# Single-phase Series



**VTN1000**



**VTX1000**



**VTX1000 Li**



**VTN2000**



**VTX2000**



**VTX2000 Li**

# Single-phase Series

Model No	VTN1000	VTX1000	VTX1000 Li
Basic Configuration (Adjustable)	Inverter		
	1KW, with built-in solar controller		
	Solar Panels		
	2pcs 345W Mono		
	Battery	2pcs 12V 100AH GEL Battery	2pcs 12V 100AH GEL Battery(built in) 1pcs 24V 100AH LiFePO4 Battery(built in)
Inverter Parameter	Rated Output Power(W)		
	1000W		
	DC Input Voltage (V)		
	DC 12V/DC24V		
	AC Input Voltage (V)		
	110VAC/220VAC±10%		
	Frequency (HZ)		
	60Hz/50Hz±0.5Hz		
	Output Wave		
	Pure sine wave		
	Transfer Efficiency		
	≥85%		
	Packing Mterial	Carton	
	Packing Size (MM)	405×230×285mm	625×380×950mm 625×380×950mm
	G.W./CTN (KG(S))	14.80kg	113.50kg 68.5 kg
Solar Controller Parameter	Solar Controller Input Range (V)		
	DC12V-DC25V/DC30V-DC50V		
	Recommanded Input Voltage (V)		
	DC18V/DC36V		
	Charging Current (A)		
	30A		
AC Charging Parameter	Charging Efficiency		
	96% (Max)		
	Charger Type		
	MPPT/PWM		
Dattery Parameter	Maximum Input Power (W)		
	1000W		
	Charging Current (A)		
15A			
Solar Panel Parameter	AC Input Voltage (V)		
	AC145±5V- AC275±5V		
	AC Input Frequency (HZ)		
50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)			
Battery Parameter	Battery Type		
	GEL Battery		LiFePO4 Battery
	Battery Input Voltage (V)		
	12/24V		
	Battery Capacity (AH)		
100AH			
Solar Panel Parameter	Power Output (W)		
	345W		
	Voltage at Pmax (V)		
	32.52V		
	Current at Pmax (A)		
8.47A			
Solar Panel Parameter	Open-Circuit Voltage (V)		
	38.52V		
	Short-Circuit Voltage (A)		
8.94A			

Model No	VTN2000	VTX2000	VTX2000 Li
Basic Configuration (Adjustable)	Inverter		
	2KW, with built-in solar controller		
	Solar Panels		
	6pcs 345W Mono		
	Battery	4pcs 12V 100AH GEL Battery	4pcs 12V 100AH GEL Battery(built in) 2pcs 48V 50AH LiFePO4 Battery(built in)
Inverter Parameter	Rated Output Power(W)		
	2000W		
	DC Input Voltage (V)		
	DC 48V		
	AC Input Voltage (V)		
	110VAC/220VAC±10%		
	Frequency (HZ)		
	60Hz/50Hz±0.5Hz		
	Output Wave		
	Pure sine wave		
	Transfer Efficiency		
	≥85%		
	Packing Mterial		
	Wooden case		
	Packing Size (MM)	585×355×630mm	630×545×1055mm 685×635×1200mm
	G.W./CTN (KG(S))	38.00kg	202.40kg 209.8 kg
Solar Controller Parameter	Solar Controller Input Range (V)		
	DC60V-DC100V		
	Recommanded Input Voltage (V)		
	DC72V		
	Charging Current (A)		
	50A		
AC Charging Parameter	Charging Efficiency		
	96% (Max)		
	Charger Type		
	MPPT/PWM		
battery Parameter	Maximum Input Power (W)		
	2000W		
	Charging Current (A)		
15A			
Solar Panel Parameter	AC Input Voltage (V)		
	AC145±5V- AC275±5V		
	AC Input Frequency (HZ)		
50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)			
Battery Parameter	Battery Type		
	GEL Battery		LiFePO4 Battery
	Battery input Voltage (V)		
	48V		
	Battery Capacity (AH)		
100AH			
Solar Panel Parameter	Power Output (W)		
	345W		
	Voltage at Pmax (V)		
	32.52V		
	Current at Pmax (A)		
8.47A			
Solar Panel Parameter	Open-Circuit Voltage (V)		
	38.52V		
	Short-Circuit Voltage (A)		
8.94A			

# Single-phase Series



**VTN5000MN2**



**VTX5000MN2**



**VTN6000MN2**



**VTX6000MN2**

# Single-phase Series

Model No		VTN5000MN2	VTX5000MN2
Basic Configuration (Adjustable)	Inverter	5KW, with built-in solar controller	
	Solar Panels	9pcs 345W Mono	
	Battery	4pcs 12V 200AH GEL Battery	2pcs 51.2V 200AH
Inverter Parameter	Rated Output Power (W)	5000W	
	DC Input Voltage (V)	DC 48V	
	AC Input Voltage (V)	110VAC/220VAC±10%	
	Frequency (HZ)	60Hz/50Hz±0.5Hz	
	Output Wave	Pure sine wave	
	Transfer Efficiency	> 85%	
	Packing Mterial	Wooden case	
	Packing Size(MM)	630×345×700mm	600×800×1000mm
	G.W./CTN (KG(S))	66kg	120kg
Solar Controller Parameter	Solar Controller Input Range (V)	DC70V-DC150V	
	Recommanded Input Voltage(V)	108V	
	Charging Current (A)	50A	
	Charging Efficiency	96% (Max)	
	Charger Type	MPPT	
	Maximum Input Power (W)	5000W	
AC Charging Parameter	Charging Current (A)	15A	
	AC Input Voltage (V)	AC145±5V- AC275±5V	
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)	
Battery Parameter	Battery Type	GEL Battery	
	Battery Input Voltage(V)	48V	
	Battery Capacity (AH)	200AH	
Solar Panel Parameter	Power Output(W)	345W	
	Voltage at Pmax (V)	32.52V	
	Current at Pmax (A)	8.47A	
	Open-Circuit Voltage (V)	38.52V	
	Short-Circuit Voltage (A)	8.94A	

Model No		VTN6000MN2	VTX6000MN2
Basic Configuration (Adjustable)	Inverter	6KW, with built-in solar controller	
	Solar Panels	9pcs 345W Mono	
	Battery	4pcs 12V 200AH GEL Battery	2pcs 51.2V 200AH
Inverter Parameter	Rated Output Power (W)	6000W	
	DC Input Voltage (V)	DC 48V	
	AC Input Voltage (V)	110VAC/220VAC±10%	
	Frequency (HZ)	60Hz/50Hz±0.5Hz	
	Output Wave	Pure sine wave	
	Transfer Efficiency	> 85%	
	Packing Mterial	Wooden case	
	Packing Size (MM)	630×345×680mm	600×800×1000mm
	G.W./CTN (KG(S))	66.00kg	120kg
Solar Controller Parameter	Solar Controller Input Range (V)	DC70V-DC150V	
	Recommanded Input Voltage (V)	108V	
	Charging Current (A)	50A	
	Charging Efficiency	96% (Max)	
	Charger Type	MPPT	
	Maximum Input Power (W)	6000W	
AC Charging Parameter	Charging Current (A)	15A	
	AC Input Voltage (V)	AC145±5V- AC275±5V	
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)	
Battery Parameter	Battery Type	GEL Battery	
	Battery Input Voltage (V)	48V	
	Battery Capacity (AH)	200AH	
Solar Panel Parameter	Power Output (W)	345W	
	Voltage at Pmax (V)	32.52V	
	Current at Pmax (A)	8.47A	
	Open-Circuit Voltage (V)	38.52V	
	Short-Circuit Voltage (A)	8.94A	

# IGBT military level system



- Imported IGBT module is adopted, and the output is standard pure sine wave
- Adopt DSP chip for centralized control to realize seamless communication between modules
- Independent modular design layout, high reliability and strong scalability
- It has solar energy, battery and municipal electricity complementation, automatic identification, to meet different needs

## Application scenario



villa



base station



nomadic



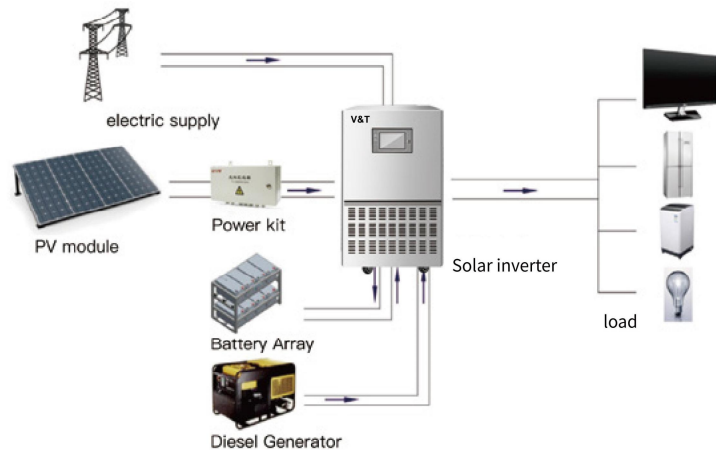
farm



family



supply electricity



Model	VTN5000MK	VTN6000MK	VTN8000MK	VTN10000MK
Rated power	5KW	6KW	8KW	10KW
<b>Battery</b>				
Rated power	48V/96V	48V/96V	96V	96V
Overdischarge protection voltage	42V/84V	42V/84V	84V	84V
<b>AC input</b>				
Number of phases	Uniphase+G			
Voltage	AC220V±15%			
Frequency	50Hz/60Hz±5%			
Charging current	15A			
<b>MPPT controller</b>				
Voltage range	70V-240V/150V-290V		150V-DC290V	
Working voltage	180V/216V		216V	
Input voltage	250V/300V		300V	
Rated current	100A			
Fast charging voltage	56.8V/113.6V		113.6V	
Equalchargingvoltage	56V/112V		112V	
Floatingchargevoltage	54V/108V		108V	
Efficiency	≥96.5%			
<b>Inverter</b>				
AC output voltage	220V±5%			
ACoutputfrequency	50HZ±1%			
ACoutputwaveform	Sinusoidal wave			
Efficiency	>85%			
Overload	105%/10min;>120% 1S			
Protection function	Battery overvoltage protection, overload protection, short circuit protection, overheat protection.			
Switching time	<4mS			
<b>Data</b>				
Ambienttemperature	0-40°C			
Storagetemperature	-15+50°C			
Relative humidity	0%-90%			
Ambient altitude	Derating is required for use if it is more than 1000m, Altitude of storage environment: 0 15000 meters			
<b>Appearance characteristics</b>				
Product size	542*410*613mm			
Package size	625*470*740mm			
Shell material	ironclad			
Shell color	Beige			
Net weight	78			
Gross weight	84.5			



**VTN6000**



**VTX6000**



**VTX6000 Li**



**VTN8000**

### Application/应用:

- Water Pump/水泵
- Electrical Tools/电力玩具
- Kitchen Appliances/厨房电器
- Office Equipment/办公设备
- Industrial Equipment/工业设备
- Household Appliances/家用电器
- Home Entertainment Electronics/家庭娱乐电子

Model No	VTN6000	VTX6000	VTX6000 Li
Basic Configuration (Adjustable)	Inverter		
	6KW, with built-in solar controller		
	Solar Panels		12pcs 345W Mono
Inverter Parameter	Battery		12pcs 345W Mono
	8pcs 12V 200AH GEL Battery		8pcs 12V 200AH GEL Battery(built in)
	4pcs 48V 50AH LiFePO4 Battery(built in)		
	Rated Output Power(W)		
	6000W		
	DC Input Voltage (V)		DC 96V
	AC Input Voltage (V)		110VAC/220VAC±10%
	Frequency (HZ)		60Hz/50Hz±0.5Hz
	Output Wave		Pure sine wave
	Transfer Efficiency		≥85%
Packing Mterial		Wooden case	
Packing Size (MM)		630×345×680mm	1050×750×1515mm
G.W./CTN (KG(S))		66.00kg	209.8 kg
Solar Controller Parameter	Solar Controller Input Range (V)		DC120V-DC200V
	Recomanded Input Voltage (V)		DC144V
	Charging Current (A)		50A
	Charging Efficiency		96% (Max)
	Charger Type		MPPT/PWM
AC Charging Parameter	Maximum Input Power (W)		6000W
	Charging Current		15A
	AC Input Voltage (V)		AC145±5V- AC275±5V
Battery Parameter	AC Input Frequency (HZ)		50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)
	Battery Type		GEL Battery
	LiFePO4 Battery		
	Battery Input Voltage (V)		96V
Solar Panel Parameter	Battery Capacity (AH)		200AH
	Power Output (W)		345W
	Voltage at Pmax (V)		32.52V
	Current at Pmax (A)		8.47A
	Open-Circuit Voltage (V)		38.52V
Short-Circuit Voltage (A)		8.94A	

Model No	VTN8000	
Basic Configuration (Adjustable)	Inverter	
	8KW, with built-in solar controller	
	Solar Panels	
Inverter Parameter	24pcs 345W Mono	
	Battery	
	16pcs 12V 150AH GEL Battery	
	Rated Output Power(W)	
	8000W	
	DC Input Voltage (V)	
	DC 96V	
	AC Input Voltage (V)	
	110VAC/220VAC±10%	
	Frequency (HZ)	
60Hz/50Hz±0.5Hz		
Output Wave		
Pure sine wave		
Transfer Efficiency		
≥85%		
Packing Mterial		
Wooden case		
Packing Size (MM)		
640×510×960mm		
G.W./CTN (KG(S))		
108.00kg		
Solar Controller Parameter	Solar Controller Input Range (V)	
	DC140V-DC300V	
	Recomanded Input Voltage (V)	
	DC204V	
	Charging Current (A)	
50A		
AC Charging Parameter	Charging Efficiency	
	96% (Max)	
	Charger Type	
MPPT		
Battery Parameter	Maximum Input Power (W)	
	8000W	
	Charging Current (A)	
15A		
Solar Panel Parameter	AC Input Voltage (V)	
	AC145±5V- AC275±5V	
	AC Input Frequency (HZ)	
	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)	
Battery Type		
GEL Battery		
Battery Input Voltage (V)		
96V		
Battery Capacity (AH)		
150AH		
Power Output (W)		
345W		
Voltage at Pmax (V)		
32.52V		
Current at Pmax (A)		
8.47A		
Open-Circuit Voltage (V)		
38.52V		
Short-Circuit Voltage (A)		
8.94A		

# Single-phase Series

# Three-phase Series



**VTN1000N**



**VTN1500**



**VTN2000**



**VTN10000/3P**



**VTN15000/3P**



**VTN20000/3P**



**VTN30000/3P**

Model No		VTN1000N	VTN1500	VTN2000
Basic Configuration (Adjustable)	Inverter	10KW, with built-in solar controller	15KW, with built-in solar controller	20KW, with built-in solar controller
	Solar Panels	30pcs 345W Mono	40pcs 345W Mono	50pcs 345W Mono
	Battery	18pcs 12V 200AH GEL Battery	18pcs 12V 250AH GEL Battery	36pcs 12V 200AH GEL Battery
Inverter Parameter	Rated Output Power(W)	10000W	15000W	20000W
	DC Input Voltage (V)	DC 216V		
	AC Input Voltage (V)	110VAC/220VAC±10%		
	Frequency (HZ)	60Hz/50Hz±0.5Hz		
	Output Wave	Pure sine wave		
	Transfer Efficiency	≥85%		
	Packing Mterial	Wooden case		
	Packing Size (MM)	720×645×1435mm	720×645×1435mm	720×645×1435mm
	G.W./CTN (KG(S))	200kg	210kg	220kg
Solar Controller Parameter	Solar Controller Input Range (V)	DC260V-DC460V		
	Recommanded Input Voltage (V)	DC330V		
	Charging Current (A)		50A	
	Charging Efficiency		96% (Max)	
	Charger Type	MPPT/PWM	MPPT	
AC Charging Parameter	Maximum Input Power (W)	10000W	15000W	20000W
	Charging Current (A)		15A	
	AC Input Voltage (V)	AC145±5V- AC275±5V		
Battery Parameter	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)		
	Battery Type	GEL Battery		
	Battery Input Voltage (V)	216V		
	Battery Capacity (AH)	200AH		
Solar Panel Parameter	Power Output (W)	345W		
	Voltage at Pmax (V)	32.52V		
	Current at Pmax (A)	8.47A		
	Open-Circuit Voltage (V)	38.52V		
	Short-Circuit Voltage (A)	8.94A		

Model No		VTN10000/3P	VTN15000/3P	VTN20000/3P	VTN30000/3P
Basic Configuration (Adjustable)	Inverter	10KW/15KW/20KW/30KW, with built-in solar controller			
	Solar Panels	30pcs 345W Mono	40pcs 345W Mono	50pcs 345W Mono	60pcs 345W Mono
	Battery	18pcs 12V 200AH GEL Battery	18pcs 12V 250AH GEL Battery	36pcs 12V 200AH GEL Battery	36pcs 12V 250AH GEL Battery
Inverter Parameter	Rated Output Power(W)	10000W	15000W	20000W	30000W
	DC Input Voltage (V)	DC 220V			
	AC Input Voltage (V)	220V/380V AC±10%			
	Frequency (HZ)	50Hz±0.5Hz			
	Output Wave	Pure sine wave			
	Transfer Efficiency	≥95%			
	Packing Mterial	Wooden case			
	Packing Size (MM)	670×910×1410mm	670×910×1410mm	670×910×1410mm	810×960×1460mm
	G.W./CTN (KG(S))	133kg	180kg	180kg	315 kg
Solar Controller Parameter	Solar Controller Input Range (V)	DC250V-DC450V			
	Recommanded Input Voltage (V)	DC330V			
	Charging Current (A)	50A		100A	150A
	Charging Efficiency	97% (Max)			
	Charger Type	MPPT			
AC Charging Parameter	Maximum Input Power (W)	11000W		22000W	33000W
	Charging Current (A)	25A	25A	25A	25A
	AC Input Voltage (V)	AC285±5V- AC475±5V			
Battery Parameter	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)			
	Battery Type	GEL Battery			
	Battery Input Voltage (V)	220V			
	Battery Capacity (AH)	200AH			
Solar Panel Parameter	Power Output (W)	345W			
	Voltage at Pmax (V)	32.52V			
	Current at Pmax (A)	8.47A			
	Open-Circuit Voltage (V)	38.52V			
	Short-Circuit Voltage (A)	8.94A			



# Three-phase Series

# Three-phase Series



**VT40000/3P**



**VT50000/3P**



**VT60000/3P**



**VT80000/3P**



**VT100000/3P**



**VT200000KW/3P**

Model No		VT40000/3P	VT50000/3P	VT60000/3P
Basic Configuration (Adjustable)	Inverter	40KW/50KW/60KW		
	Solar Panels	117pcs 345W Mono	156pcs 345W Mono	180pcs 345W Mono
	Battery	180pcs 2V 500AH GEL Battery	180pcs 2V 600AH GEL Battery	180pcs 2V 800AH GEL Battery
Inverter Parameter	Rated Output Power(W)	40000W	50000W	60000W
	DC Input Voltage (V)	DC 360V		
	AC Input Voltage (V)	220V/380V AC±10%		
	Frequency (HZ)	50Hz±0.5Hz		
	Output Wave	Pure sine wave		
	Transfer Efficiency	≥95%		
	Packing Mterial	Wooden case		
	Packing Size (MM)	810×960×1460mm	810×960×1460mm	1060×1260×1760mm
	G.W./CTN (KG(S))	395kg	440kg	580 kg
	Solar Controller Parameter	Solar Controller Input Range (V)	DC420V-DC650V	
Recommanded Input Voltage (V)		DC480V		
Charging Current (A)		120A	160A	
Charging Efficiency		97% (Max)		
Charger Type		MPPT		
Maximum Input Power (W)		42000W	56000W	
AC Charging Parameter	Charging Current (A)	35A	35A	35A
	AC Input Voltage (V)	AC285±5V- AC475±5V		
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)		
Battery Parameter	Battery Type	GEL Battery		
	Battery Input Voltage (V)	360V		
	Battery Capacity (AH)	500AH	600AH	800AH
Solar Panel Parameter	Power Output (W)	345W		
	Voltage at Pmax (V)	32.52V		
	Current at Pmax (A)	8.47A		
	Open-Circuit Voltage (V)	38.52V		
	Short-Circuit Voltage (A)	8.94A		

Model No		VT80000/3P	VT100000/3P	VT200000KW/3P
Basic Configuration (Adjustable)	Inverter	80KW/100KW/200KW		
	Solar Panels	234pcs 345W Mono	540pcs 345W Mono	600pcs 345W Mono
	Battery	180pcs 2V 1000AH GEL Battery	180pcs 2V 1200AH GEL Battery	180pcs 2V 2000AH GEL Battery
Inverter Parameter	Rated Output Power(W)	80000W	100000W	200000W
	DC Input Voltage (V)	DC 360V		
	AC Input Voltage (V)	220V/380V AC±10%		
	Frequency (HZ)	50Hz±0.5Hz		
	Output Wave	Pure sine wave		
	Transfer Efficiency	≥95%		
	Packing Mterial	Wooden case		
	Packing Size (MM)	1060×1260×1760mm	1028×1360×1860mm	1248×1580×2050mm
	G.W./CTN (KG(S))	700kg	830kg	1300 kg
	Solar Controller Parameter	Solar Controller Input Range (V)	DC420V-DC650V	
Recommanded Input Voltage (V)		DC480V		
Charging Current (A)		240A	320A	600A
Charging Efficiency		97% (Max)		
Charger Type		MPPT		
Maximum Input Power (W)		84000W	112000W	224000W
AC Charging Parameter	Charging Current (A)	35A	35A	35A
	AC Input Voltage (V)	AC285±5V- AC475±5V		
	AC Input Frequency (HZ)	50Hz±5Hz/60Hz±5Hz(Automatically tracking and adaptive)		
Battery Parameter	Battery Type	GEL Battery		
	Battery Input Voltage (V)	360V		
	Battery Capacity (AH)	1000AH	1200AH	2000AH
Solar Panel Parameter	Power Output (W)	345W		
	Voltage at Pmax (V)	32.52V		
	Current at Pmax (A)	8.47A		
	Open-Circuit Voltage (V)	38.52V		
	Short-Circuit Voltage (A)	8.94A		