



MPPT Solar Controller

220V/348V/384V Series

- » High efficiency, up to 98.4%
- » Modular design
- » Full digital control technology

Easy for Use:

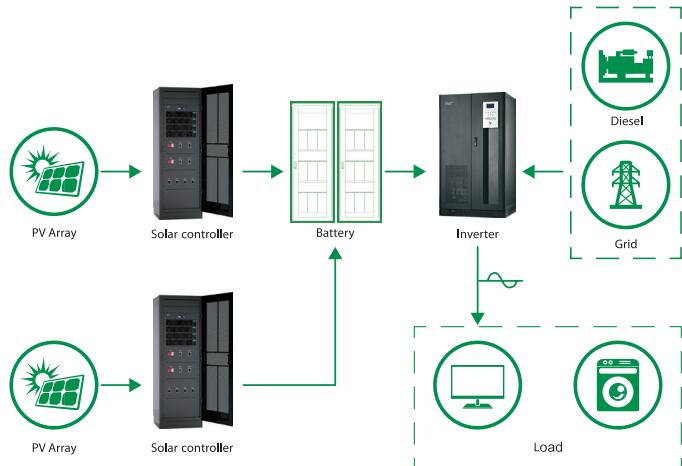
- With internal PV breakers, battery breakers and load breakers
- Modular design, high flexibility and easy maintenance

Excellent Performance:

- Wide input range, flexible solar panel configuration
- MPPT function, maximize the utilization of solar panels
- Peak efficiency, up to 98.4%
- Intelligent battery charging control, extend the battery lifetime
- Wide working temperature range, -25 ~ +55°C

High Reliability:

- Adopt DSP chips, full digital control technology
- N+X modular redundant design
- Optional integrated controller + inverter solution



Friendly Interface:

- LCD screen with PV generation and system status logs
- RS485/RS232 communication, easy monitoring
- Full dry contact communication function, with generator start control, battery low alarm, primary load control, secondary load control, etc.
- Optional touch screen monitor for user-friendly management



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Item		SPC384300-M	SPC348300-M	SPC220300-M
Input	PV input voltage(VDC)	420~850	420~850	270~550
	PV full load working voltage(VDC)	500~700	440~700	270~430
	Max PV input current(A)	240	240	240
	PV input rated power(kW)	29×4	26×4	16×4
Output	Battery voltage range(VDC)	336~464	304~420	189~260
	Battery rated voltage(VDC)	384	348	220
	Rated output current (A)		300	
Others	Working ambient temperature (°C)		-20~55	
	Working altitude (m)		3000m,>1000m derating use	
	IP Grade		IP20	
	Dimension (W x D x H) (mm)		600×600×1800	

MPPT module parameter:

Item		SPC384300-M	SPC348300-M	SPC220300-M
Input	PV input voltage(VDC)	420~850	420~850	270~550
	PV full load working voltage(VDC)	500~700	440~700	270~430
	Max PV input current(A)	60	60	60
	PV input rated power(kW)	29	26	16
	MPPT tracking precision(MAX)(%)		≥99.5	
Output	Battery voltage range(VDC)	336~464	304~420	189~260
	Battery rated voltage(VDC)	384	348	220
	Battery rated current (A)	75	75	75
	Module maximum efficiency(%)	≥98.5	≥98.4	≥98.0
	Output ripple voltage coefficient(%)		≤±1.5	
Others	Stand-by power consumption(W)		12	
	Power consumption at night(W)		0	
	Night reverse discharge current(A)		0	
	Cooling		Air cooling	
	Noise(dB)		≤60	
	Dimension (W x D x H) (mm)		440×430×89(2U)	

- Specifications are subject to change without prior notice.

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