

# Technical Data

Model	SDI-P 20A	SDI-P 30A	SDI-P 40A	SDI-P 50A	SDI-P 60A	SDI-P 70A	SDI-P 80A
Rated charge current	20A	30A	40A	50A	60A	70A	80A
System voltage	12/24V			12V\24V\36V\48V			
PV max open circuit voltage	100V						
Rated load current	20A	30A	40A	50A	60A	70A	80A
Direct charge voltage	GEL: 14.4V, LEAD ACID: 14.2V, Custom: 9~17V (12V)						
Boost charge voltage	GEL: 14.8V, LEAD ACID: 14.6V, Custom: 9~17V (12V)						
Float charge voltage	GEL / LEAD ACID: 13.8V, Custom: 9~17V (12V)						
Over-discharge return voltage	GEL / LEAD ACID: 12.6V, Custom: 9~17V (12V)						
Over-discharge voltage	GEL: 11.0V, LEAD ACID: 11.1V, Custom: 9~17V (12V)						
Loss	≤15mA(12V); ≤10mA(24V); ≤8mA(48V)						
Load dual period control	Auto						
External temperature sensor	DS18B20(optional)						
Temperature compensation	-5mV/°C/2V						
Communicate interface	RS485,MODBUS (optional)						
USB interface	5V 1A (optional)						
Dimensions	157x90x43mm			186x107x67mm			
Terminal Connection	6 AWG 16mm			2 AWG 25mm			
Net weight	510g			1025g			
Protection class	IP30						
LCD operate temperature range	-20°C ~ +70°C						
Work temperature range	-25°C ~ +55°C						
Humidity	≤95% N.C.						