

Electrical Specifications - Output				
Models	SR-On-300	SR-On-1500	SR-On-2500	SR-On-3500
Max. AC power output	300W	1500W	2500W	3500W
AC output voltage (nominal)	204V/230V/240V acc. Local standard	110V/204V/230V/240V acc. Local standard	110V/204V/230V/240V acc. Local standard	110V/204V/230V/240V acc. Local standard
AC output voltage range	180~260V	180~260V	180~260V	180~260V
AC frequency (nominal)	50HZ/60HZ	50HZ/60HZ	50HZ/60HZ	50HZ/60HZ
AC frequency range	49.5~50.5HZ/59.5~60.5HZ	49.5~50.5HZ/59.5~60.5HZ	49.5~50.5HZ/59.5~60.5HZ	49.5~50.5HZ/59.5~60.5HZ
Max. continuous output current	1.5A	10A	15A	20A
AC connection	Single phase	Single phase	Single phase	Single phase
Max. utility backfeed current	0 A	0 A	0 A	0 A
Total harmonic distortion (THD)	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %
DC injection	≤0.2%	≤0.2%	≤0.2%	≤0.2%
Output current waveform	True sine wave	True sine wave	True sine wave	True sine wave
Electrical Specifications - Input				
Max. DC input power	320W	2000W	2700W	3500W
Max. array open-circuit voltage	60V	450V	450V	450V
MPPT voltage range	20-50V	140-420V	140-420V	140-420V
MPP Tracker	1	1	1	1
Max. input current	10A	10A	15A	18A
Night-time power consumption	0W	0W	0W	0W
System efficiency				
Max. efficiency	94.8%(With HF transformer isolation)	94.8%(With HF transformer isolation)	94.8%(With HF transformer isolation)	94.8%(With HF transformer isolation)
Euro efficiency	93.5%(With HF transformer isolation)	93.5%(With HF transformer isolation)	93.5%(With HF transformer isolation)	93.5%(With HF transformer isolation)
MPPT efficiency	0.995	0.995	0.995	0.995
Protection devices				
Isolation mode	High frequency transformer	High frequency transformer	High frequency transformer	High frequency transformer
Reverse-polarity protection	Yes	Yes	Yes	Yes
Utility monitoring, islanding protection	Yes	Yes	Yes	Yes
AC short-circuit protection	Yes	Yes	Yes	Yes
Grid monitoring	Yes	Yes	Yes	Yes
Mechanical Specifications				
Operating temperature range	-13°F to 134°F (-25°C to 50°C)	-13°F to 134°F (-25°C to 50°C)	-13°F to 134°F (-25°C to 51°C)	-13°F to 134°F (-25°C to 51°C)
Relative Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Max. Working Altitude	≥ 2500m	2000m	2001m	2002m
Enclosure type	IP65	IP54	IP54	IP54
Cooling	Natural convection	Forced air cooling	Forced air cooling	Forced air cooling
Mounting	Mounting on the back of the panel	Wall mount	Wall mount	Wall mount
Display	n/a	Backlit LCD screens	Backlit LCD screens	Backlit LCD screens