

Fit Series

PV & Energy Storage System



Cost-Effective, Budget-Friendly

- Lightweight stacking cuts overall project costs
- Modular design lowers initial investment



Flexible Stacking, Scalable Capacity

- Free stacking supports multi-rack parallel expansion for tailored capacity
- External hybrid inverter fits diverse power demands



Compact Modules for Flexible Deployment

- Compact battery units reduce reliance on heavy lifting machinery
- Easy on-site positioning adapts to any space constraints



Streamlined O&M, Efficient Servicing

- Independent layout allows quick isolation and replacement of faulty units
- Layered air-cooling simplifies inspection and unit disassembly

Product Model	Fit-110		Fit-160	Fit-200
Rack Parameters				
Cell type	LFP 314Ah			
Pack configuration	1P16S			
Pack rated voltage	51.2V			
Pack dimensions (W*H*D)	445mm * 808.5mm * 227.5mm			
Pack capacity	16.07kWh			
Pack quantity	7	10	13	
Rack capacity	112.53kWh	160.76kWh	208.98kWh	
Rack rated voltage	358.4V	512V	665.6V	
Rack voltage range	313.6V ~ 397.6V	448V ~ 568V	582.4V ~ 738.4V	
Weight	770kg	1100kg	1430kg	
Ingress protection	IP20			
Anti-corrosion grade	C4-M			
Operating ambient humidity	5%~85%			
Operating ambient temperature	0°C~45°C			
Max. operating altitude	≤2000m			
Rack cooling method	Air-cooling			
Communication interface	CAN / LAN			
Communication protocol	CAN2.0B / Modbus TCP			
Hybrid Inverter Parameters				
DC input (PV side)				
Recommended max. PV array size	100kW	160kW	200kW	

Max. usable PV input power	100kW	160kW	200kW
Max. input voltage	1000V		
Rated voltage	620V	600V	
Start-up voltage	180V		
MPPT voltage range	150V~950V		
Max. input current	40A x 4 / 40A x 6	42A x 10	
Max. short circuit current	60A x 4 / 60A x 6	60A x 10	
Number of MPPT/Number of max. input strings	4 MPPT / 8 strings	10 MPPT / 20 strings	
Battery			
Battery type	LFP		
Battery voltage range	150V~950V	180V~950V	
Max. charging/discharging current	160A / 80A x 2	200A / 100A+100A	
Number of battery ports	1 / 2		
Max. charging/discharging current for each port	160A / 80A	200A / 100A	
Communication	CAN / RS485		
AC output (emergency)			
Rated output power	50kW	80kW	100kW
Max. apparent output power	1.5 times of rated power, 10s; 1.6 times of rated power, 0.2s	16 times of rated power; 2 times of rated power, 0.2s	
Emergency switch time	<10ms		
Rated output voltage	380V/400V/415V, 3P4W		
Rated frequency	50Hz/60Hz		
THDu (@linear load)	<3%	<2%	
AC input (Grid side)			
Max. input current	182.3A	243.1A	300A
AC input (Generator)			
Rated input voltage	380V/400V/415V, 3P4W		
Rated input frequency	50Hz/60Hz		
AC output (Grid side)			
Rated output power	50kW	80kW	100kW
Max. apparent output power	55kVA	88kVA	110kVA
Rated grid voltage	380V/400V/415V, 3P4W		
Rated grid frequency	50Hz/60Hz		
Rated grid output current	76A/72.2A/69.6A	121.5A/115.5A/111.3A	151.9A/144.3A/139.1A
Power factor	>0.99 (1 leading~1 lagging)	>0.99 (0.8 leading~0.8 lagging)	
THDi	<3% (Linear load<1.5%)	<2%	
Efficiency			
Max. efficiency	98%	97.8%	
General specification			
Dimensions (W*H*D)	600mm × 970mm × 290mm	971.5mm x 880mm x 311mm	
Weight	96kg	<150kg	
Topology	Transformerless		
Operating ambient temperature	-40°C~60°C (derated over 45°C)	-40°C~60°C (derated over 50°C)	
Relative humidity	0%~95% RH	0%~100% RH	
Ingress protection	IP66		
Cooling method	Intelligent air cooling		
Max. operating altitude	4000m (derated above 2000m)	4000m (derated above 3000m)	
Grid connection standard	EN 50549-1&2/EN 50549-10, VDE-AR-N 4105, NTS 631, CEI 0-21, C10/11, NRS 097-2-1, TOR, G99, IEC 62116, IEC 61727, MEA, PEA, etc.*		
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4		
Communication interface	Standard: Wi-Fi + Bluetooth, CAN-BMS×1, CAN-Parallel ×2, LAN, RS485-Meter, EMS-RS485×1, CAN-EMS×1, DRM, DI×5, DO×6 Optional: 4G (alternative to Wi-Fi, WIFI is default)	Standard: Wi-Fi + Bluetooth, CAN-BMS×2, CAN-Parallel ×2, LAN, RS485-Meter, RS485, DRM, DI×5, DO×5 Optional: 4G (alternative to Wi-Fi, WIFI is default)	

*The certification standards listed in this column are planned targets. For the specific certification time, please consult with the local team.