

MODEL

Rise 60.0

BATTERY INPUT

Battery Type	Lithium Ion
Battery Minimum Voltage (V)	576
Battery Maximum Voltage (V)	806
Battery Capacity (KWh)	60
Max. Charging/Discharging Current (A)	120
Max. Charging/Discharging Power (kW)	62.5
Charging Curve	3 Stages/Equalization
Quantity of Batteries	6 Nos

PV STRING INPUT

Max. DC Input Power (kW)	78
PV Input Voltage (V)	800 (160-1000)
MPPT Range (V)	200-850
Start-up Voltage (V)	160
PV Input Current (A)	36+36+36+36+36
Max. PV Isc (A)	55+55+55+55+55
No. of MPPT Trackers	5
No. of Strings per MPPT Trackers	2+2+2+2+2

AC OUTPUT

Rated AC Output and UPS Power (kW)	60
Max. AC Output Power (kW)	66
Peak Power (off grid) (kW)	1.5 times of rated power 10s
AC Output Rated Current (A)	87
Max. AC Current (A)	95.8
Max. Continuous AC Passthrough (A)	200
Output Frequency and Voltage (V)	50/60Hz 230/400Vac 220/380
Grid Type	Three phase
Current Harmonic Distortion	THD<3%

EFFICIENCY

Max. Efficiency	~~ 97.6%
MPPT Efficiency	~~99%

PROTECTION

PV Input Lightning Protection	Yes
Anti-Islanding Protection	Yes
PV String Input Reverse Polarity Protection	Yes
Over Current Protection	Yes
Output Shorted Protection	Yes
Temperature protection	Yes
Output Over Voltage Protection	DC Type II/AC Type III
DC switch	Yes

GENERAL

Dimension, W x D x H (mm)	(1300 x 800 x 1800)
Topology	Transformer less
Working temperature	Full power operation at or below 45°C
IP level	IP20
Cooling concept-Battery	Advanced Nano PCM combined with forced convection
Mounting	Ground Mount
Cooling concept-inverter	Intelligent air cooling
Display Type	Colorful touch LCD
Working altitude	<12W
Net Weight (kg)	685 ± 10 Kgs

CHARACTERISTICS

AC connector	OT terminal
Communication mode	Ethernet, RS485, CAN

CERTIFICATIONS AND STANDARDS

Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11
Safety Regulation	IEC/EN62109-1, IEC/EN62109-2
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4