Loadshedder 2 & Loadshedder 4 Technical Specification

Model	Loadshedder 4	Loadshedder 2
Battery Input Parameters		
Supported Battery Type	Li-Ion	
Nominal Battery Voltage (V)	48	
Battery Input Voltage Range (V)	40~60	
Max. Charge Voltage (V)	60 (Configurable)	
Max. Charge Current (A)	60 (Configurable)	42 (Configurable)
Max. Discharge Current (A)	80 (Configurable)	56 (Configurable)
Battery Capacity (Wh)	3684	2000
PV String Input Parameters		
Max. DC Input Power (W)	4500	3000
Max. DC Input Voltage (V)	500	
MPPT Voltage Range (V)	120~450	
Start-Up Voltage (V)	150	
Max. Input Current (A)	12 x 2	
AC Output Parameters (Back-Up) (Feed To Essential Load)		
Max. Output Power (W)	3600	2500
Max. Output Apparent Power (VA)	3600	2500
Peak Output Apparent Power (VA)	7200	5000
Max. Output Current (A)	16	11
Nominal Output Voltage (Vac)	230	
Nominal Output Frequency (Hz)	50	
Max. Bypass Current (A)	40	20
Shift Time (Bypass and Inverter) (ms)	10	
Output THD (Resistor Load)	<3%	
AC Input Parameter (On-Grid)		
Max. Input Power (W)	3600	2500
Max. Output Power (W) (Feed to Home Load)	3600	2500
Max. Apparent Input Power (VA)	3600	2500
Max. Apparent Output Power (VA)	3600	2500
Nominal Input / Output Voltage (Vac)	230	
Nominal Input / Output Frequency (Hz)	50	
Max. Bypass Current (A)	40	20
Shift Time (Bypass and Inverter) (ms)	10	

Model	Loadshedder 4	Loadshedder 2
Dimensions		
Size (H x L x W mm)	700.6 x 543.6 x 182.2	700.6 x 543.6 x 100.7
Net Weight	57.4kg	36kg
Efficiency		
Max. Efficiency	97.6%	
Max. Battery to Load Efficiency	94.0%	
Europe Efficiency	97.0%	
MPPT Efficiency	99.9%	
Protection		
Integrated	Battery Over Charge Protection, Battery Low Voltage Protection, Over Temperature Protection, Output Short Circuit Protection, Output Over Voltage Protection, Output Overload Protection	
Compliances		

This Grid support interactive inverter complies with VDE 0126-1-1:2013, IEC/EN62109-1:2010, IEC/EN62109-2:2011, AS/NZS 4777.2:2015