

Technical Specifications Combi 3.0 – Single-Phase Energy Storage System

	EUE2-PDL30N2	EUE2-PDL36N2	EUE2-PDL40N2	EUE2-PDL46N2	EUE2-PDL50N2	EUE2-PDL60N2
PV Input						
Max. input power (kW)	6	7.2	8	9.2	10	12
Max. PV voltage (V)	600					
MPPT range (V)	80-550					
Normal voltage (V)	350					
Startup voltage (V)	100					
Max. input current (A)	20					
Max. short current (A)	25					
No. of MPP tracker / No. of PV string	2/1					
Battery Port						
Max. charge/discharge power (kW)	3	3.6	4	4.6	5	6
Max. charging/discharge current (A)	20					
Battery cell specifications (Ah)	314					
Battery capacity (kWh)	12					
Battery normal voltage (V)	360					
Battery voltage range (V)	300-400					
Battery type	Li-ion					
AC Grid						
Max. continuous current (A)	15	16	20	23	25	30
Max. continuous power (kVA)	3.3	3.6	4.4	5	5.5	6.6
Normal grid current (A)	13.6	16.0	18.2	20.9	22.7	27.3
Rated Power (kW)	3	3.6	4	4.6	5	6
Normal grid voltage (V)	L/N/PE 220/230/240					
Normal grid frequency (Hz)	50/60					
Power factor	1 default (adjustable from 0.8 leading to 0.8 lagging)					
Current THD (%)	<3					
AC Load Output						
Max. continuous current (A)	13.6	16.0	18.2	20.9	22.7	27.3
Max. continuous power (kVA)	3	3.6	4	4.6	5	6
Max. Peak current (A) (10min)	15	16	20	23	25	30
Max. peak power (kVA) (10min)	3.3	3.6	4.4	5	5.5	6.6
Normal AC current (A)	13.6	16.0	18.2	20.9	22.7	27.3
Normal AC voltage L-N(V)	L/N/PE 220/230/240					
Normal AC frequency (Hz)	50/60					
Switching time (ms)	<10					
Efficiency						
Max. Efficiency (%)	97.2					
CEC Efficiency (%)	96.5					

	EUE2-PDL30N2	EUE2-PDL36N2	EUE2-PDL40N2	EUE2-PDL46N2	EUE2-PDL50N2	EUE2-PDL60N2
Protection						
PV reverse polarity protection	Yes					
Over current/voltage protection	Yes					
Anti-islanding protection	Yes					
AC Short current protection	Yes					
Residual current detection	Yes					
Ground fault monitoring	Yes					
Insulation resistor detection	Yes					
PV Arc detection	Yes					
Enclosure protect level	IP65					
General Data						
Dimension (W * H * D, mm)	425*630*195					
Weight (kg)	21.5					
Relative air humidity (%)	0% - 95%					
Topology	Non-isolated					
Cooling	Natural Convection					
Operating Temperature Range (°C)	-25 to 60					
Operating Altitude (m)	≤3000					
Standby Consumption (W)	≤15					
Mounting	Stacking					
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Bluetooth					
Certification & Approvals	NR5097, 998, EN50549-1, C10/C11, AS4777-2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2, IEC 60730-1:2013, AMD1:2015, AMD2:2020					
EMC	EN61000-6-1, EN61000-6-3					
EV Charger(Optional)						
Rated Voltage (V AC)	230Vac±20% (IP+N+PE)					
Rated Current (A)	32					
Rated Power (kW)	7					
Frequency (Hz)	50					
Working Temperature (°C)	-25 to 60					

