

Household Three Phase Hybrid All In One ESS

CE-3P4/5/6/8/10/12/15/18/20KEG-HE-EU



Product Features

- 80-800V super wide battery voltage range
- Within 10ms UPS-level switching
- Max. 18A PV input current
- 100% full load charge and discharge
- WiFi and Bluetooth connection
- IP66 protection degree
- 21A/25A charging and discharging current, suitable for middle voltage and high voltage batteries

Technical Data

Model	CE-3P4KEG-HE-EU	CE-3P5KEG-HE-EU	CE-3P6KEG-HE-EU	CE-3P8KEG-HE-EU	CE-3P10KEG-HE-EU	CE-3P12KEG-HE-EU	CE-3P15KEG-HE-EU	CE-3P18KEG-HE-EU	CE-3P20KEG-HE-EU
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Inverter Data

Battery Type	Li-ion								
Battery Voltage Range (Vdc)	80-800								
Max. Charging/Discharging Current (A)	25/25								
Rated Charging/Discharging Current (A)	21/21								
Recommended Max. PV Power (kWp)	6.4	8	9.6	12.8	16	19.2	24	28.8	32
Max. Input Voltage (V)	1,100								
MPPT Voltage Range (V)	100-1,080								
MPPT Number	2	3			3				
Strings Number per MPPT	1/1	1/1/1			1/1/2				
Max.MPPT Input Current (A)	20/20	20/20/20			20/20/40				
Max.MPPT Short Circuit Current (A)	30/30	30/30/30			30/30/60				
Rated Output Power (kW)	4	5	6	8	10	12	15	18	20
Max. Apparent Output Power (kVA)	4	5	6	8	10	12	15	18	20
Max. Output Current (A)	5.8	7.2	8.7	11.6	14.5	17.4	21.7	26.1	29
Rated Grid Voltage/range (V)	220/380,230/400,240/415,312-520								
Back-Up Switch Time (ms)	<10								
Rated Frequency (Hz)	50/60								
Max. Efficiency	98.60%								
EU Efficiency	98.10%								
Topology	Transformerless								
Dimensions (mm)	630W×450H×178D								
Weight (kg)	31								

General Data

Shell Material	Aluminium alloy
Operating Ambient Temperature Range (°C)	-25-60
Protection Degree	IP66
Cooling Concept	Smart fan & Natural convection
Max. Operation Altitude (m)	3,000
Grid Connection Standard	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161
Safety/EMC Standard	IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004
Communications	WiFi, 4G, GPRS, Bluetooth, RS485, CAN

Battery Data

Model (kWh)	4.03
Battery Type	LFP
Nominal Voltage/Range (V)	96/80-108
Capacity (Ah)	42
Depth of discharge(DoD)	95%
Dimension (mm)	630W×630H×178D
Weight (kg)	53

System Parameter	H4	H8	H12	H16	H20
Qty. of Batteries	1	2	3	4	5
Charge/Discharge Temperature Range	Charge: 0°C to 53°C/Discharge: -10°C to 53°C				
Cycle Life	6,000				
Nominal Voltage (V)	96	192	288	384	480
Battery Total Energy (kWh)	4.03	8.06	12.09	16.12	20.15
Dimension (mm)	630W×1,080H×178D	630W×1,450H×178D	630W×1,820H×178D	630W×2,190H×178D	630W×2,560H×178D
Weight (kg)	93	132	171	210	248