

PRODUCT MODEL	CE30KW-T-HY	CE50KW-T-HY	CE100KW-T-HY	CE120KW-T-HY	CE150KW-T-HY
PV System Size Nominal Inverter Power (KWP)	30	48	100	120	150

PRODUCT MODEL SPECIFICATION(*Mono)

Power (W)	300				
Vmp (V)	32.1				
Voc (V)	39.7				
Isc (A)	9.65				
Imp (A)	9.35				
Dimensions (L*W*H) (mm)	1640*992*35				
PV Module Weight (kg)	17.5				
Certifications	CE / TUV (IEC 61215 & IEC 61730)				

*Polycrystalline PV modules also available up on request

INVERTER / CHARGER SPECIFICATIONS

Inverter Continuous Power (W)	30	50	100	120	150
Apparent Power (KVA)	33	55	110	150	165
Transformer	YES				
AC Voltage (V)	3 / N / PE, 360V-440V				
AC Frequency (Hz)	50 / 60 (Adjustable)				
Battery Voltage (V)	420				
MPPT Charge Current (A)	85	142	285	340	425
PV Input Power (W)	30000	50000	100000	120000	150000
PV Voltage Range (V)	480-800				
Protections	Input over / under voltage, output over / under voltage, overload, short circuit over temperature, reverse polarity, lightning surge protection				
Standby Consumption	< 30W				
Display	Touch screen				
Dimensions (W*H*D) (mm)	950*750*1860	950*750*1860	1200*800*1900	1200*800*1900	1400*800*1900
Inverter Weight (kg)	440	620	900	1024	1250

BATTERY BANK SPECIFICATIONS

Battery Type	Lead Acid Gel (VRLA)				
Battery Voltage (V)	2				
Battery Bank Voltage (V)	420				
Battery Capacity (Ah)	2V400	2V600	2V1200	2V1500	2V2000
Battery Bank Capacity (Ah)	400	600	1200	1500	2000
Battery Bank Power-Total (Wh)	168000	252000	504000	630000	840000
Battery Bank Power-Total (Wh)*0.7 (DOD)	117600	176400	352800	441000	588000
Battery Dimensions (L*W*H) (mm)	211*176*366	302*175*365	475*174*365	401*350*362	490*350*364
Battery Weight (kg)	26	37	76	96	126.5
Full Cycles (70% DOD)	700				
Total Batteries - *storage can be increased	210				
Connection	Series				
Certifications	CE / RU / ISO14001 / OHSAS18001				

BOS

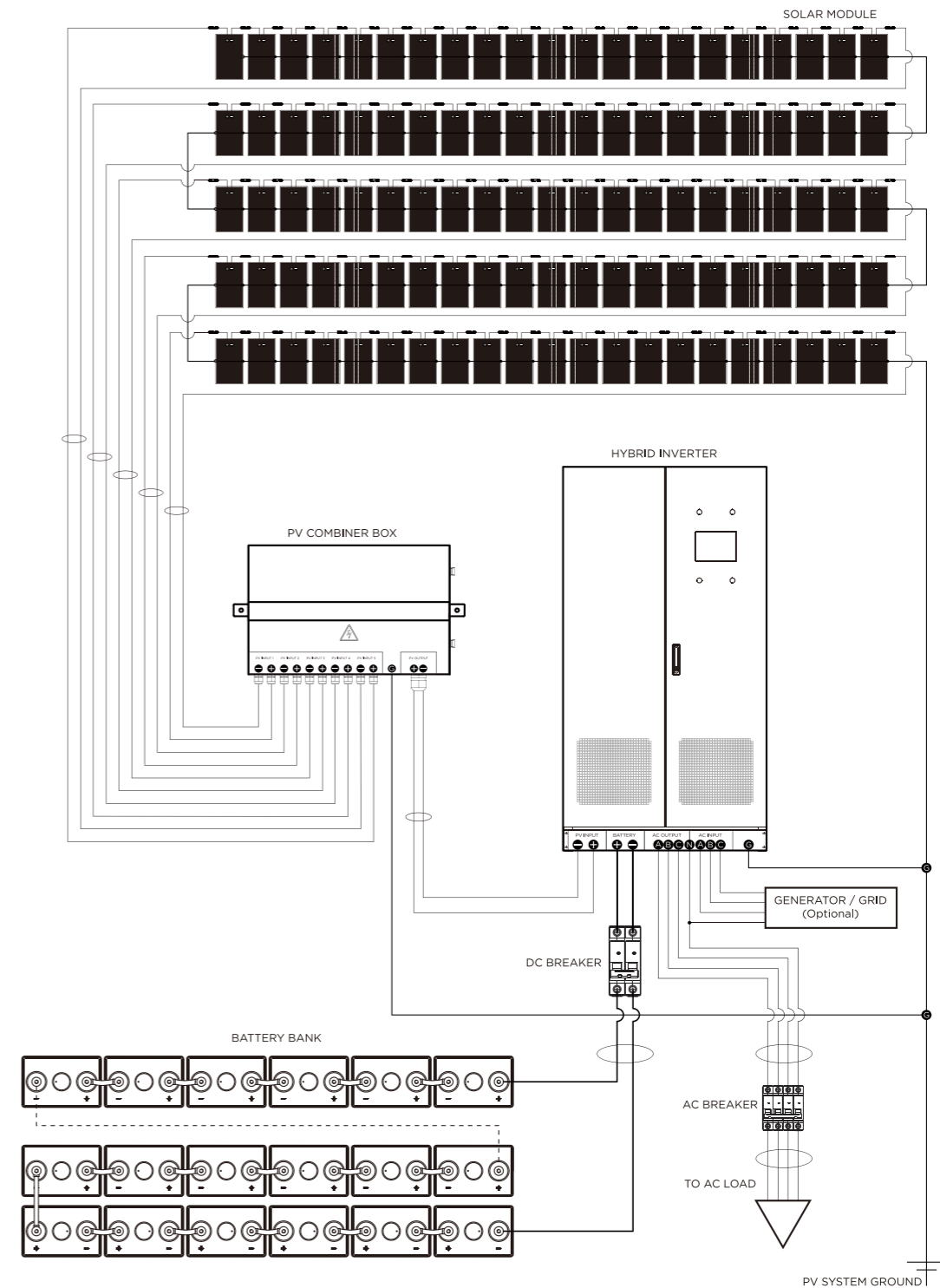
PV Combiner Box / Battery Breaker	5 in 1 out / 1	10 in 1 out / 1	2-10in1out+1-2in1output / 1	2-10in1out+1-2in1output / 1	2-12in1out+1-2in1output / 1
*PV Cables (PV 1*4mm ²) (m)	800	1000	2000	3000	4000
*Battery Wire (m)	RVV / BV 1*16mm ² -20m	RVV / BV 1*35mm ² -20m	RVV / BV 1*70mm ² -20m	RVV / BV 1*95mm ² -20m	RVV / BV 1*150mm ² -20m
*Ground Wire (1*16mm ²) (m)	100	200	400	500	600
Battery Bank Rack	Customized				
AC Cables	YJV 3*10mm ² +2-20m	YJV 3*25mm ² +2-20m	YJV 3*70mm ² +2-20m	YJV 3*95mm ² +2-20m	YJV 3*120mm ² +2-20m

*Extra wire is available up request

SYSTEM LAYOUT

Number of Modules	95	160	320	380	480	
Number of Inverters	1					
PV Array Surface Area (m ²)	170.01	286.33	572.66	680.04	858.99	
PV Array Weight (kg)	1662.5	2800	5600	6650	8400	
PV Module	No. of PV Modules / String	19	16	16	19	20
String	Total Strings	5	10	20	20	24
Configuration	String Voc (V)	754.3	635.2	635.2	754.3	794
	String Vmp (V)	609.9	513.6	513.6	609.9	642
	String Imp (A)	9.35				

CE30KW-T-HY



PRODUCTION ESTIMATES (KWh AC)

*Projectd Yearly Output at 4 PSH / Day	91.20	153.60	307.20	364.80	460.80
*Projectd Yearly Output at 5 PSH / Day	114.00	192.00	384.00	456.00	576.00
*Projectd Yearly Output at 6 PSH / Day	136.80	230.40	460.80	547.20	691.20

*Based on 80% system efficiency (formula = DC Power * PSH / Day * System Efficiency) (PSH = Peak Sunshine Hours)

SYSTEM OPTIONS

Monitoring Device	RS485
PV Module Type	Mono or Poly
Monitoring System Types	Metal Roof / Tile Roof / Flat Concrete Roof / Ground
AC Back Up Input	Utility Grid / Power Generator
Battery	12V Gel / 2V Gel / Tubular Gel (OpzV)