

BATTERIA SIGILLATA AGM DEEP-CYCLE (USO CICLICO)
DEEP-CYCLE AGM MAINTENANCE FREE BATTERY

ZL1201120



CHARACTERISTIC / CARATTERISTICHE

Volt	12V	
Capacity / Capacità	20h	200Ah
	5h	160Ah
Internal Resistance	Full Charged Battery 25°C ≤3.0mΩ	
Capacity affected by Temperature / Effetti delle temperature sulla capacità	40°C	102%
	25°C	100%
	0°C	85%
Self-Discharge 25°C Capacity / Autoscarica a 25°C	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge cycle / Ciclo di carica	IU + h	"In" max. 40Amp; "V1" 2.43V/cell
	IUIa	"In" max. 40Amp; "V1" 14.4Volt; "If" 2Amp.

CHARACTERISTIC / CARATTERISTICHE

Battery dimensions / Dimensioni batteria			
L/L	W/P	H/A	Tot - H/A
532	206	216	221
Box Dimensions / Dimensioni scatola			
L/L	W/P	H/A	
537	221	296	
USA Type			4D
Weight / Peso			69,6 Kg
Terminal / Terminali			M8
Case / Contenitore			ABS

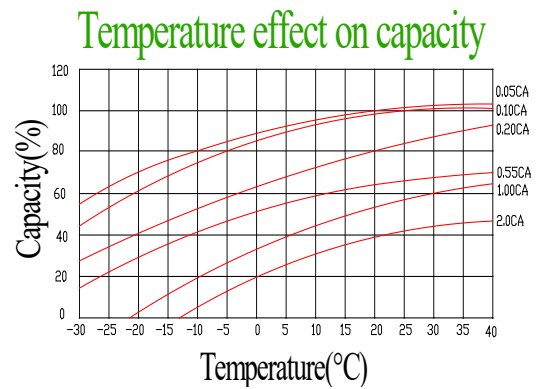
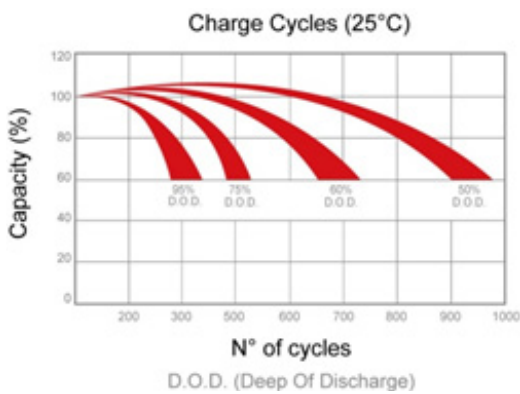
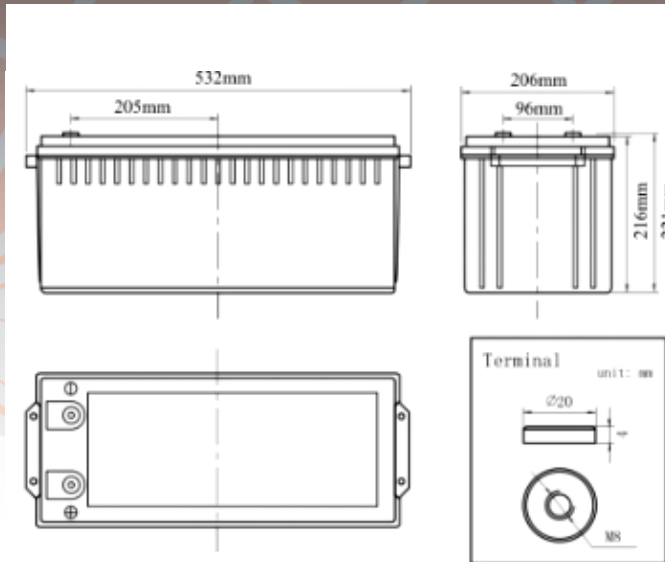
Amp. (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	475.2	302.9	257.4	164.3	120.8	110.9	70.5	49.5	33.7	22.2	19.8	11
1.65V	466.6	297.4	252.7	161.4	118.6	108.9	69.2	48.6	33.0	21.8	19.4	10.8
1.70V	457.9	291.9	248.0	158.4	116.4	106.8	67.9	47.7	32.4	21.4	19.1	10.6
1.75V	449.3	286.4	243.4	155.4	114.2	104.8	66.6	46.8	31.8	21.0	18.7	10.4
1.80V	432.0	275.4	234.0	149.4	109.8	100.8	64.1	45.0	30.6	20.2	18.0	10.00

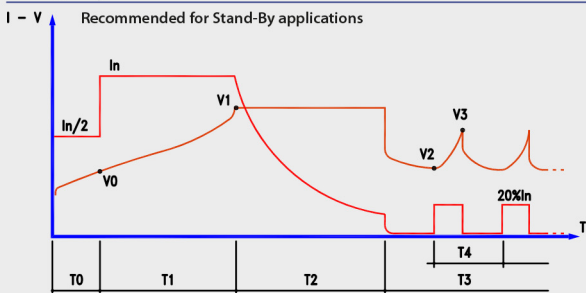
Watts (25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	914.8	583.2	495.5	316.4	232.5	213.4	135.7	95.3	64.8	42.7	38.1	21.2
1.65V	898.1	572.6	486.5	310.6	228.3	209.6	133.2	93.6	63.6	41.9	37.4	20.8
1.70V	881.5	562.0	477.5	304.9	224.0	205.7	130.8	91.8	62.4	41.1	36.7	20.4
1.75V	864.9	551.4	468.5	299.1	219.8	201.8	128.3	90.1	61.3	40.4	36.0	20.0
1.80V	831.6	530.1	450.5	287.6	211.4	194.0	123.4	86.6	58.9	38.8	34.7	19.2

ZL1201120



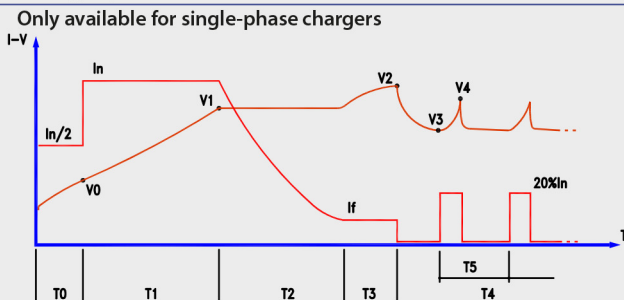
Charge cycle for sealed batteries (GEL/AGM): IU + holding



- I_n = PROGRAMMED CAPACITY/10
- V_0 = 1,90 V/CELL
- V_1 = PROGRAMMED VALUE
- V_2 = 2.10 V/CELL
- V_3 = 2.30 V/CELL
- T_0 = MAX. 1 HR
- T_1 = MAX. 12 HRS
- T_2 = T_1 (MIN. 2-MAX. 5 HRS)
- T_3 = UNLIMITED

“IUIa” charge cycle is always recommended in case of more than 2 batteries in series
Ciclo di carica “IUIa” è sempre necessario qualora ci siano più di 2 batterie collegate in serie.

IUIa charge cycle

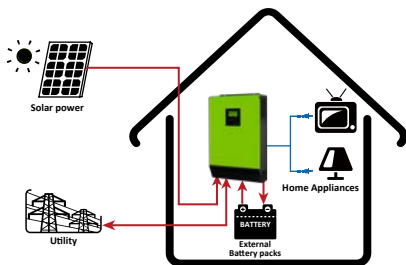


- I_n = PROGRAMMED VALUE (CHARGE I)
- I_f = PROGRAMMED VALUE (FINAL I)
- V_0 = 1,90 V/CELL
- V_1 = PROGRAMMED VALUE (THRESHOLD V)
- V_2 = PROGRAMMED VALUE (LOCK V)
- V_3 = 2.10 V/CELL
- V_4 = 2.30 V/CELL
- T_0 = MAX. 1 HR
- T_1 = MAX. 12 HRS
- T_2 = MAX. $T_1 + 6$ HRS OR $I = I_f$
- T_3 = MAX. 4 HRS
- T_4 = UNLIMITED
- T_5 = MAX. 6 HRS

InfiniSolar V



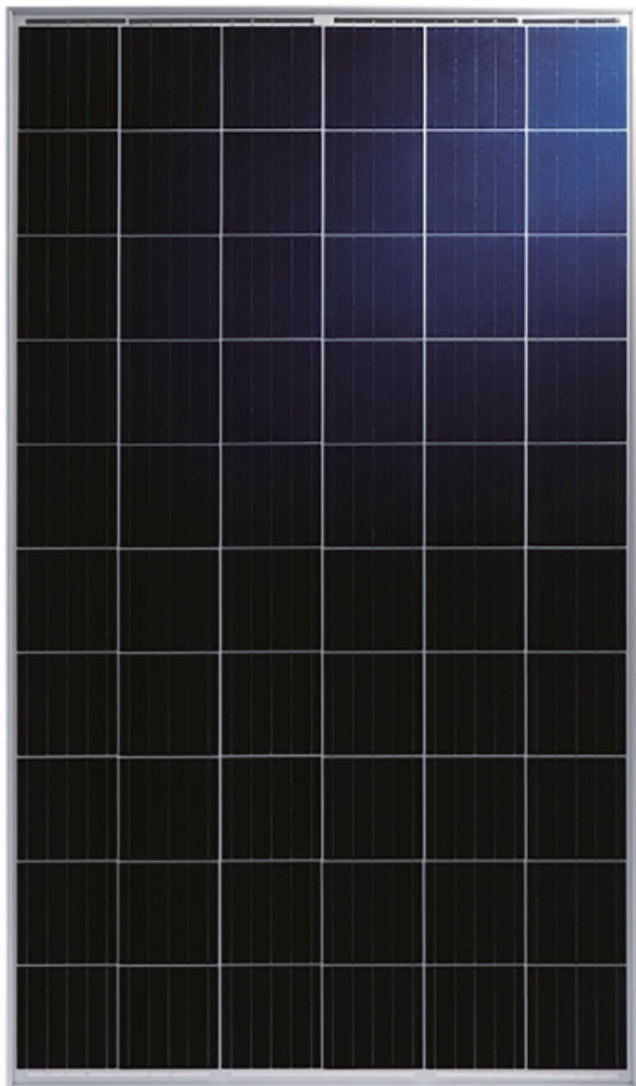
- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie (with battery connected), off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units only for 3K/4K/5K models



InfiniSolar V On-Grid Inverter With Energy Storage Selection Guide

MODEL	InfiniSolar V-1K-12	InfiniSolar V-2K-24	InfiniSolar V-3K-48	InfiniSolar V-4K-48	InfiniSolar V-5K-48
Max. PV Array Power	1000W	2000W	4000W	4000W	6000W
Rated Output Power	1000W	2000W	3000W	4000W	5000W
Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC	145 VDC	145 VDC	145 VDC
MPPT Range @ Operating Voltage	15 VDC ~ 115 VDC	30 VDC ~ 115 VDC	60 VDC ~ 115 VDC	60 VDC ~ 115 VDC	60 VDC ~ 115 VDC
MPP Tracker Number	1	1	1	1	2
GRID-TIE OPERATION					
GRID OUTPUT (AC)					
Nominal Output Voltage	220/230/240 VAC				
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)				
Nominal Output Current	4.3 A	8.7 A	13 A	17.4 A	21.7 A
Power Factor	> 0.99				
EFFICIENCY					
Maximum Conversion Efficiency (DC/AC)	90%				
OFF-GRID, HYBRID OPERATION					
GRID INPUT					
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
Maximum AC Input Current	30A		40A		
BATTERY MODE OUTPUT (AC)					
Nominal Output Voltage	220/230/240 VAC				
Output Waveform	Pure sine wave				
Efficiency (DC to AC)	93%				
BATTERY & CHARGER					
Nominal DC Voltage	12 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Maximum Solar Charge Current	80 A	80 A	80 A	80 A	120 A
Maximum AC Charge Current	60 A				
Maximum Charge Current	140 A	140 A	140 A	140 A	180 A
GENERAL					
PHYSICAL					
Dimension, D x W x H (mm)	100 x 300 x 440	100 x 300 x 440	120 x 295 x 468	120 x 295 x 468	190 x 295 x 483
Net Weight (kgs)	8	8	11	11	16
INTERFACE					
Parallel Function	N/A	N/A	Yes	Yes	Yes
External Safety Box (Optional)	Yes				
Communication Ports	USB or RS232/Dry-Contact				
ENVIRONMENT					
Humidity	0 ~ 90% RH (Non-condensing)				
Operating Temperature	0 to 50°C				

Product specifications are subject to change without further notice.



OKP 270-285

OkSolar High Efficiency Polycrystalline modules

- ◆ 15 anni garanzia
- ◆ Tolleranza Positiva 0/+3%Wp
- ◆ Carico Massimo 5.400 Pa
- ◆ 25 Anni di garanzia Lineare

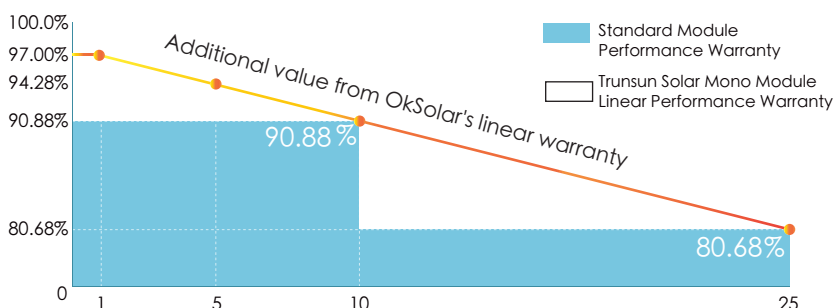


OkSolar Technology

15 years Product Material & Workmanship

25 years Linear Performance Warranty

LINEAR PERFORMANCE WARRANTY



OKP270-285 Polistalline modules

DATI ELETTRICI @ STC*	OKP60			
	270	275	280	285
Potenza Massima (P _{max} /W)	270	275	280	285
Maximum Power Voltage (V _{mp}) (V)	31.3	31.7	32.0	32.3
Maximum Power Current (I _{mp}) (A)	8.63	8.69	8.76	8.83
Open-circuit Voltage (V _{oc}) (V)	38.5	38.7	39.0	39.30
Corrente di Corto Circuito (I _{sc} /A)	9.09	9.17	9.25	9.30
Efficienza (%)	16.5	16.8	17.10	17.41
Tolleranza	0±3%			
Coefficiente di Temperatura	P _{max} -0.42%/°C	V _{oc} -0.32%/°C	I _{sc} +0.058%/°C	
NOCT	45±2°C			

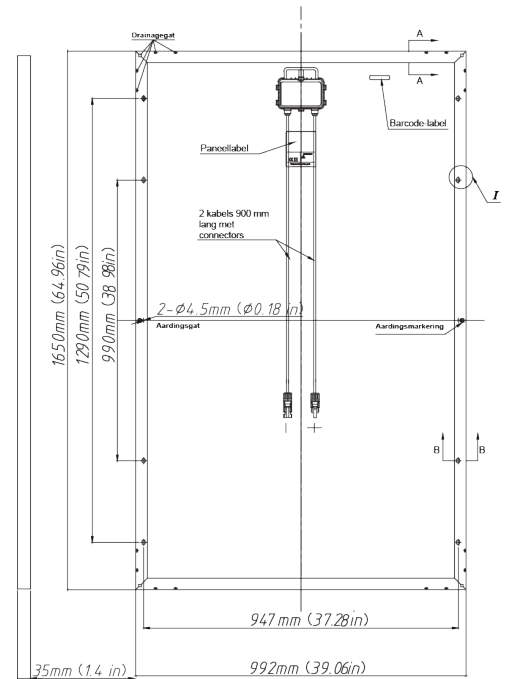
*STC: 1000w/m², 25°C, AM 1.5

Dati Meccanici

Tipologia Cella	Policristallino
Dimensione Cella	156*156mm(6 Cal)
Numero Cella	60 (6*10)
Peso	18.5 kg (40.8 lbs)
Dimensioni	1650*990*35mm(64.6*39.0*1.4inch)
Lunghezza Cavi	900mm(35.4inch)
Sezione Cavi	4mm ² (0.006sq.in)
Tipologia Vetro	Vetro Temperato 3.2 mm
Bus Bar	3/6
Telaio	Alluminio Anodizzato
Scatola di Giunzione	IP65/IP67
Connettori	MC-4 compatibile

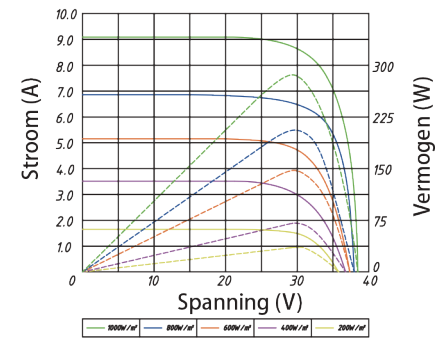
SPECIFICHE OPERATIVE

Tensione di Sistema	1000V/DC (IEC)
Temperatura di Fuzionamento	-40°C +85°C
Alimentazione Inversa IR	15A
Carico Massimo	5400Pa
Classe di Reazione al Fuoco	1
Resistenza	≥ 100MΩ



I-V CURVE

OKP 60 Pm(W)270



OkSolar Technology

SPECIFICHE IMBALLO

Imballo (1)	30st/pallet, 840st/40HQ
Imballo (2)	30st+5st/pallet, 910st/40HQ

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, OkGroup SRL. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

*Power measurement tolerance: ±3%

