



LONG LIFE BATTERIES HIGH CAPACITY

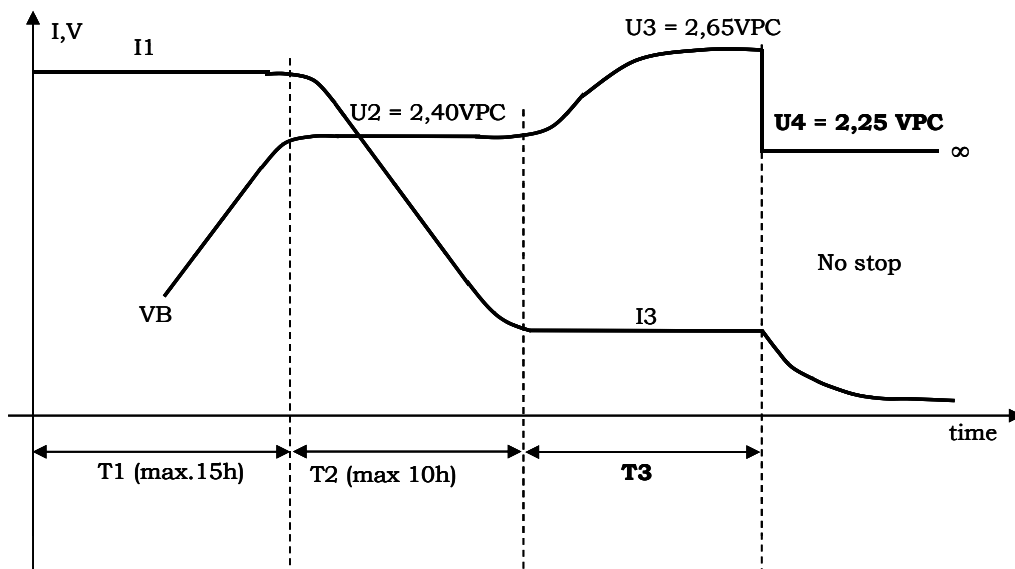
SPECIFICHE DELLA BATTERIA TIPO

Performance specification for battery type

7 TG 12 N



Voltaggio <i>Nominal Voltage</i>	.....	12 V		
Capacità <i>Nominal Capacity</i>	.....	20 h	200 Ah	
		5 h	150 Ah	
		2 h	117 Ah	
		1 h		
Resistenza interna <i>Internal Resistance</i>	.....	milliohms		
Dimensioni (mm) <i>Dimensions (mm)</i>	.....	Lunghezza 510 mm; <i>Lenght 510 mm</i>	Larghezza 222 mm; <i>Width 222 mm</i>	Altezza 225 mm <i>Height 225 mm</i>
Poli <i>Terminals</i>	.....	+ \ -	
Elettrolito <i>Electrolyte</i>	.....	Acido Solforico <i>Sulphuric acid</i>	1,29 gr/lt 30°C	
Contenitore <i>Recipient</i>	.....	Polipropilene (PP) <i>Polypropylene (PP)</i>		
Peso con elettrolito <i>Weight with electrolyte</i>	.....	51,4 Kg.		
Corrente di carica suggerita <i>Suggested Charging current</i>	.....	25 A WA 20 IU/A		
Temperatura di lavoro <i>Operating Temperature</i>	.....	-20°C / 45°C		
Temperatura d'immagazzinaggio <i>Storage Temperature</i>	.....	-20°C / 40°C		
Numero Cicli <i>Cycle nr.</i>	.....	1200		



➤ **Durata: T1 + T2:** la durata delle due fasi iniziali può essere al massimo 14h

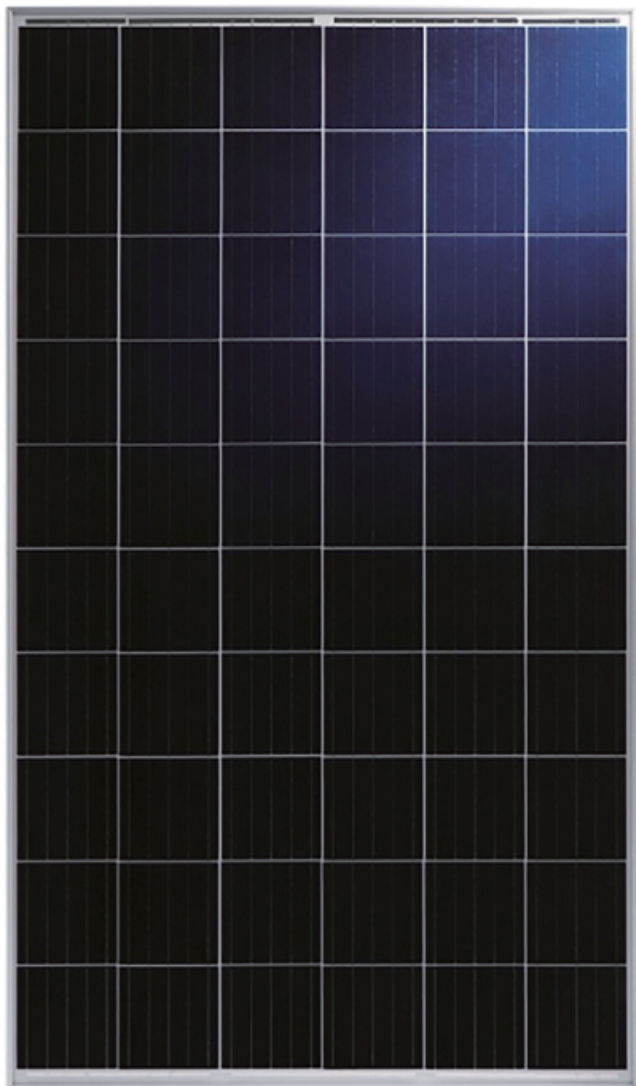
➤ **Durata: T3**

La durata di T3 è uguale alla durata della carica principale, cioè $T3 = T1 + T2$, ma con un minimo di 1h e

T1+T2 [h]
T3 [h]

< 1	2	3	4	> 4
1	2	3	4	4

massimo di 4h:



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

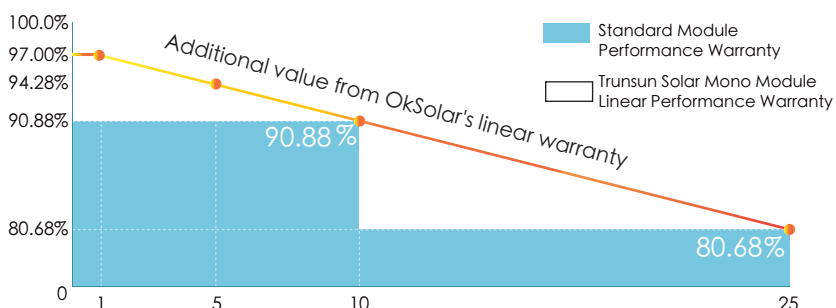


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15 years Product Material & Workmanship

25 years Linear Performance Warranty

LINEAR PERFORMANCE WARRANTY



OKP270-285 Polistalline modules

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

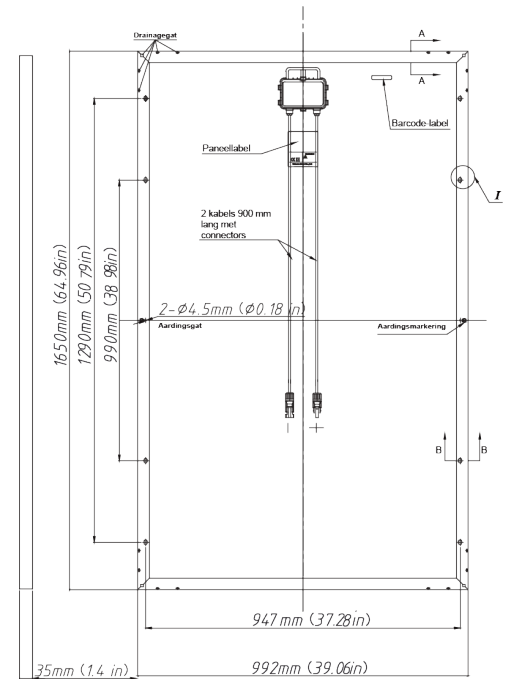
*STC: 1000w/m², 25°C, AM 1.5

Dati Meccanici

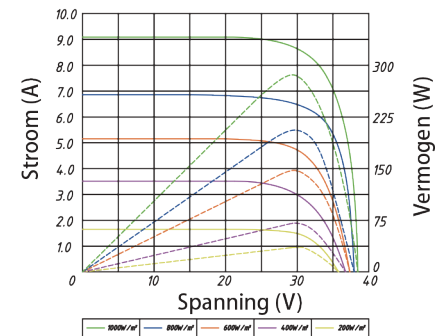
Tipologia Cella	Policristallino
Dimensione Cella	156*156mm(6 Cal)
Numero Cella	60 (6*10)
Peso	18.5 kg (40.8 lbs)
Dimensioni	1650*990*35mm(64.6*39.0*1.4inch)
Lunghezza Cavi	900mm(35.4inch)
Sezione Cavi	4mm ² (0.006sq.in)
Tipologia Vetro	Vetro Temperato 3.2 mm
Bus Bar	3/6
Telaio	Alluminio Anodizzato
Scatola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



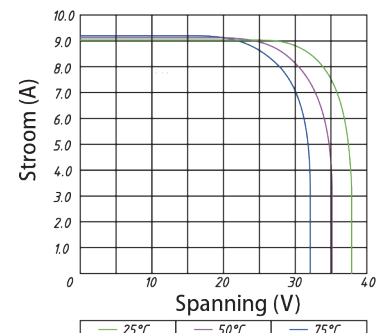
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SPECIFICHE IMBALLO

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%



Axpert V Off-Grid Inverter

Axpert VM 1000-12 /
Axpert VM 2000-24Axpert VP 1000-12 /
Axpert VP 2000-24Axpert VP3000-24 /
Axpert VM3000-24Axpert VM 3000-24 Plus /
Axpert VP 5000-48 /
Axpert VM 5000-48

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional anti-dusk kit

Axpert V Off-Grid Inverter Selection Guide

MODEL	Axpert VP 1000-12	Axpert VM 1000-12	Axpert VP 2000-24	Axpert VM 2000-24	Axpert VP 3000-24	Axpert VM 3000-24	Axpert VM 3000-24 Plus	Axpert VP 5000-48	Axpert VM 5000-48	
Rated Power	1000VA/1000W		2000VA/2000W		3000VA / 3000W			5000VA / 5000W		
INPUT										
Voltage	230 VAC									
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)									
Frequency Range	50 Hz/60 Hz (Auto sensing)									
OUTPUT										
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%									
Surge Power	2000VA		4000VA		6000VA			10000VA		
Efficiency (Peak)	90% ~ 93%									
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)									
Waveform	Pure sine wave									
BATTERY										
Battery Voltage	12 VDC		24 VDC				48 VDC			
Floating Charge Voltage	13.5 VDC		27 VDC				54 VDC			
Overcharge Protection	16 VDC		31 VDC		33 VDC			63 VDC		
SOLAR CHARGER & AC CHARGER										
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT		PWM	MPPT	
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC	
Maximum PV Array Power	600 W	500 W	1200 W	1000 W	1200 W	1000 W	1500 W	2400 W	3000 W	
MPP Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30~80 VDC	30~115 VDC	N/A	60 ~ 115 VDC	
Maximum Solar Charge Current	50 A	40 A	50 A	40 A	50 A	40 A	60 A	50 A	60 A	
Maximum AC Charge Current	20 A	20 A	20 A	25 A	25A	25A	60 A	60 A	60 A	
Maximum Charge Current	50 A	60 A	50 A	60 A	70 A	60 A	120 A	110 A	120 A	
PHYSICAL										
Dimension, D x W x H (mm)	88 x 225 x 320				100 x 285 x 334		100 x 300 x 440	100 x 300 x 440		
Net Weight (kgs)	4.4	4.4	5	5	6.3	6.5	9.5	8.5	9.7	
Communication Interface	USB/RS232									
ENVIRONMENT										
Humidity	5% to 95% Relative Humidity (Non-condensing)									
Operating Temperature	-10°C to 50°C									
Storage Temperature	-15°C to 60°C									

Product specifications are subject to change without further notice.