

high efficiency 185W all black solar panel Mono

产品名称	high efficiency 185W all black solar panel Mono
公司名称	中国电子科技集团公司第三十六研究所
价格	10.00/瓦
规格参数	品牌:CETC 型号:NES72-5-185MB 化学类型:单晶硅太阳能电池
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产品详情

品牌	CETC	型号	NES72-5-185MB
化学类型	单晶硅太阳能电池	使用状态	平板太阳能电池
输出功率	185 (W)	工作电压	36.4 (V)
转化效率	14.5 (%)	填充因子	76 (%)
工作电流	5.08 (A)	开路电压	45.2 (V)
短路电流	5.38 (A)	外形尺寸	1580*808*45
参考重量	16 (kg)	产品认证	TUV;CE;CGC
用途	Power ; On-Grid ; off-Grid ;DC12V System		

monocrystalline solar panel

1. with advanced materials and equipments, our modules are designed and manufactured in consistency with the iec 61215:1993 standards which can guarantee excellent electrical performance and the product life span of 25 years.
2. a film of pecvd is coated on the upper surface as antireflection measure which the characteristic of deep blue color.
3. the modules are embedded with a sheet of imported strong transparent glass, two sheets of long endurance eva, a high efficiency mono-crystalline cells sheet and a sheet of antihumidity tpt for different weather conditions.
4. high quality anodized aluminum frame which is the choice for strong wind resistance and mountain terrain.
5. a multifunction box can safeguard safe connection.
6. the exterior design and electrical performance of each every module are fully tasted to guarantee superior quality.

solar panel data sheet

description of specification		configuration	units	model
				nes72-5-185mb
general data				
maximum power	pm(w)	watts		185w
watt tolerance		%		± 3
application				dc24v
storage & operating temperature		deg .c		-45~85
standard test conditions:cell temperature:25 deg. c,irradiance:1kw/m2,air mass: 1.5				
voltage & ampereage				
maximum system voltage		volts		1000vdc
maximum operating voltage	vmp	volts		36.4
maximum operating current	imp	amps		5.08
open circuit voltage	voc	volts		45.2
short circuit current	isc	amps		5.38
solar cell				
cell type and diameter				monocrystalline,125mm × 125mm
number of cells	in series			72(6 × 12)
temperatures coefficients				
temp coefficient of isc	tk isc	% per deg.c		0.05
temp coefficient of voc	tk voc	% per deg.c		-0.34
temp coefficient of pmax	tk pmax	% per deg.c		-0.45
normal op. cell temp (noct)		deg.c		45 ± 2
materials & accessories data (all certified by ce and tuv)				
junction box				ip65 rated
output cable:wire diameter :4mm ²	length	mm		900
type of cable connector				mc plug type iv
frame:aluminum alloy				anodized
front glass:low iron,high transmisson,tempered glass	thickness			3.2mm
cell encapsulation material	eva	mm		0.5mm
backsheet cover material	tpt	mm		0.3mm
quality warranty (output power)				
	power production	90%	years	10
		80%	years	25
	manufacturing		years	5
dimensions, packing & loading				
dimensions:length × width × height		mm		1581 × 810 × 40
weight		kg		15.6