

Tiger Pro 72HC

540-560 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Technologie multi-barres

Meilleur piégeage de la lumière et collecte de courant pour améliorer la puissance de sortie et la fiabilité du module.



Durabilité environnementales

Haute résistance au brouillard salin et à l'ammoniac.



Réduction température

Conception électrique optimisée et courant de fonctionnement inférieur pour une perte de points chauds réduite et un meilleur coefficient de température



Charge mécanique améliorée

Certifié pour résister : charge de vent (2400 Pascal) et charge de neige (5400 Pascal)



Active Safety

AI Powered
Active Arcing Protection



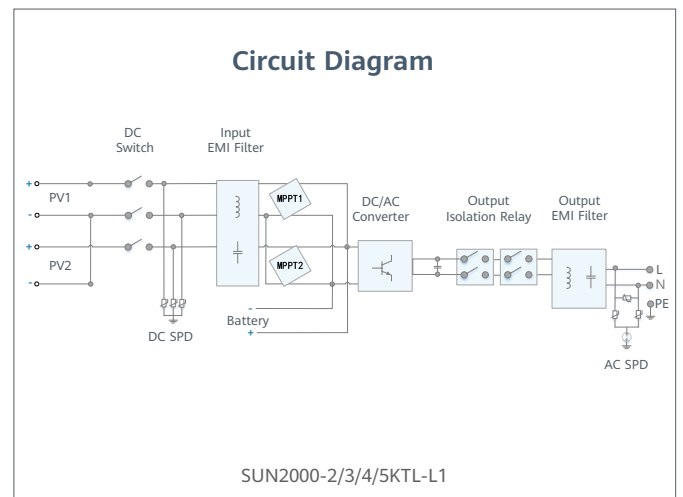
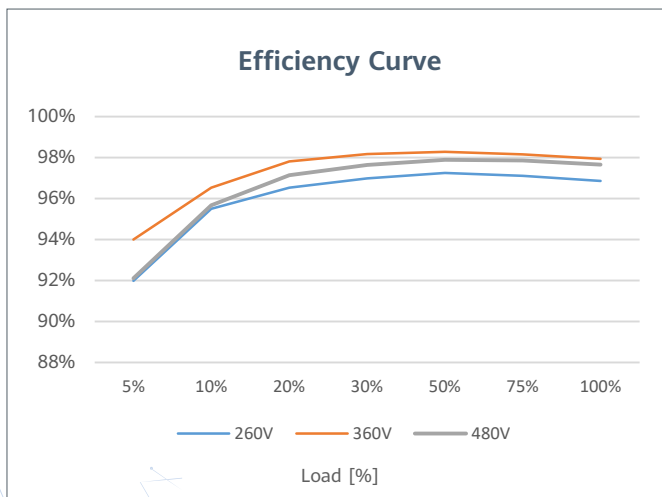
Higher Yields

Up to 30% More
Energy with Optimizer



2x POWER Battery Ready

5KW AC Output plus
5KW Battery Charge



SUN2000-2/3/4/5KTL-L1
Technical Specification

Technical Specification	SUN2000 -2KTL-L1	SUN2000 -3KTL-L1	SUN2000 -4KTL-L1	SUN2000 -5KTL-L1
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Efficiency

Max. efficiency	98.2 %	98.3 %	98.4 %	98.4 %
European weighted efficiency	96.7 %	97.3 %	97.5 %	97.8 %

Input (PV)

Recommended max. PV power ²	3,000 Wp	4,500 Wp	6,000 Wp	7,500 Wp
Max. input voltage	600 V ³			
Start-up voltage	100 V			
MPPT operating voltage range	90 V – 560 V ³			
Rated input voltage	360 V			
Max. input current per MPPT	12.5 A			
Max. short-circuit current	18 A			
Number of MPP trackers	2			
Max. number of inputs	2			

Input (DC Battery)

Compatible Battery	LG Chem RESU 7H_R / 10H_R			
Operating voltage range	350 ~ 450 Vdc			
Max operating current	10 A @7H_R / 15 A @10H_R			
Max charge power	3,500 W @7H_R / 5,000 W @10H_R			
Max discharge Power @7H_R	2,200 W	3,300 W	3,500 W	3,500 W
Max discharge Power @10H_R	2,200 W	3,300 W	4,400 W	5,000 W

Compatible Battery	HUAWEI Smart ESS Battery 5kWh – 30kWh ¹			
Operating voltage range	350 ~ 560 Vdc			
Max operating current	15 A			
Max charge Power	5,000 W ⁴			
Max discharge Power	2,200 W	3,300 W	4,400 W	5,000 W

Output

Grid connection	Single phase			
Rated output power	2,000 W	3,000 W	4,000 W	5,000 W ⁵
Max. apparent power	2,200 VA	3,300 VA	4,400 VA	5,500 VA ⁷
Rated output voltage	220 Vac / 230 Vac / 240 Vac			
Rated AC grid frequency	50 Hz / 60 Hz			
Max. output current	10 A	15 A	20 A	25 A ⁸
Adjustable power factor	0.8 leading ... 0.8 lagging			
Max. total harmonic distortion	≤ 3 %			
Backup power output	Yes (via Backup Box-B0 ¹)			

Protection & Feature

Anti-Islanding protection	Yes
DC reverse polarity protection	Yes
Insulation monitoring	Yes
DC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
AC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
Residual current monitoring	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
AC overvoltage protection	Yes
Over-heat protection	Yes
Arc fault protection	Yes
Battery reverse charging from grid	Yes

General Data

Operating temperature range	-25 ~ +60 °C (Derating above 45°C @ Rated output power)
Relative operating humidity	0 %RH ~ 100 %RH
Operating altitude	0 ~ 4,000 m (Derating above 2,000 m)
Cooling	Natural convection
Display	LED indicators; integrated WLAN + FusionSolar APP
Communication	RS485, WLAN via inverter built-in WLAN module Ethernet via Smart Dongle-WLAN-FE (Optional); 4G / 3G / 2G via Smart Dongle-4G (Optional)
Weight (incl. mounting bracket)	12.0 kg (26.5 lb)
Dimension (incl. mounting bracket)	365mm * 365mm * 156 mm (14.4 x 14.4 x 6.1 inch)
Degree of protection	IP65

Optimizer Compatibility

DC MBUS compatible optimizer	SUN2000-450W-P
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Standard Compliance (more available upon request)

Safety	EN/IEC 62109-1, EN/IEC 62109-2
Grid connection standards	G98, G99, EN 50549-1, CEI 0-21, VDE-AR-N-4105, AS 4777, C10/11, ABNT, UTE C15-712, RD 1699, TOR D4, IEC61727, IEC62116

¹ Available in 2021 Q1.

² Inverter max input PV power is 10,000 Wp when long strings are designed and fully connected with SUN2000-450W-P power optimizers.

³ The maximum input voltage and operating voltage upper limit will be reduced to 495 V when inverter connects and works with LG battery.

⁴ 2,500 W @ 5kWh HUAWEI ESS battery

⁵ AS4777.2: 4,991W. ⁶. VDE-AR-N 4105: 4,600VA / AS4777.2: 4,999VA. ⁷. AS4777.2: 4,999VA / C10/11:5,000VA ⁸. AS4777.2: 21.7A.

Version No.:01-(20190716)



On

Real-Time Device Data

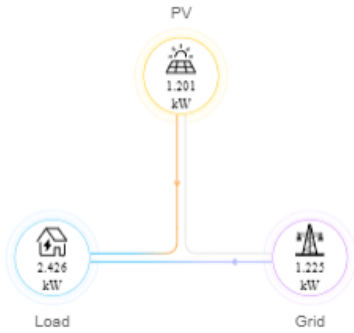
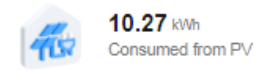
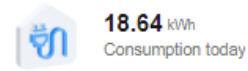
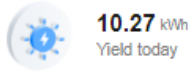
String	PV1	PV2			
Input Voltage (V)	350.2	114			
Input Current (A)	2.73	2.52			
<ul style="list-style-type: none"> Inverter status 	Grid connected	<ul style="list-style-type: none"> Daily energy 	10.27 kWh	<ul style="list-style-type: none"> Cumulative energy 	361.35 kWh
<ul style="list-style-type: none"> Active power 	1.201 kW	<ul style="list-style-type: none"> Output reactive power 	0.001 kvar	<ul style="list-style-type: none"> Inverter rated power 	5.000 kW
<ul style="list-style-type: none"> Power factor 	1.000	<ul style="list-style-type: none"> Grid frequency 	49.99 Hz	<ul style="list-style-type: none"> Output mode 	L/N
<ul style="list-style-type: none"> Grid current 	5.242 A	<ul style="list-style-type: none"> Grid voltage 	231.5 V	<ul style="list-style-type: none"> Inverter startup time 	2023-09-13 06:12:26
<ul style="list-style-type: none"> Inverter shutdown time 	2023-09-12 18:31:56	<ul style="list-style-type: none"> Internal temperature 	43.7°C	<ul style="list-style-type: none"> Insulation resistance 	3.000 MΩ

Basic Information

<ul style="list-style-type: none"> Device name 	INV-1022B5142384	<ul style="list-style-type: none"> Device type 	Inverter	<ul style="list-style-type: none"> Plant name 	innocce solar
<ul style="list-style-type: none"> SN 	1022B5142384	<ul style="list-style-type: none"> Device replacement record 	-	<ul style="list-style-type: none"> Plant address 	ประเทศไทยอำเภอสาขาคาตุคตชน หมู่บ้านศ...
<ul style="list-style-type: none"> Model 	SUN2000-5KTL-L1	<ul style="list-style-type: none"> Software version 	V200R001C00SPC130	<ul style="list-style-type: none"> Package Name 	-

String Details ⓘ

String	2-in-1 String	Module Manufacturer	Modules Type	Module Type	Max. Module Power (Pmax) (W)	Module Quantity	String Capacity (Wp)
+ PV1	<input type="checkbox"/>	-	-	-	-	-	0.00
+ PV2	<input type="checkbox"/>	-	-	-	-	-	0.00



0 Alarm

Critical **0**

Major **0**

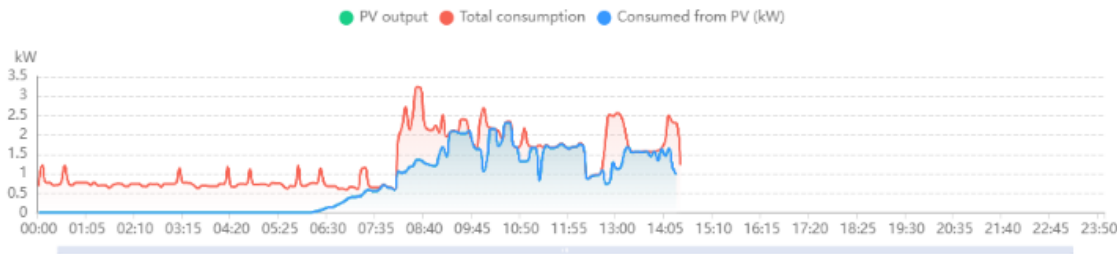
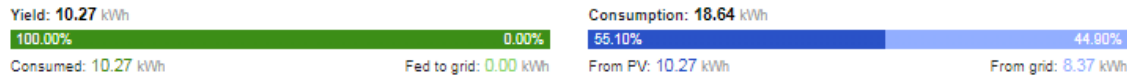
Minor **0**

Warning **0**

Plant name	innocce solar
Plant address	ประเทศไทยอำเภอสาธุการ...
Total string capacity ⓘ	0.000 kWp
Grid connection date	2023-08-23
Longitude and latitude	13° 55'56"N 100° 39'30"...

Energy Management

Day | Month | Year | Lifetime | < 2023-09-13 >



Revenue

Day | Month | Year | Lifetime | < 2023-09-13 >



No electricity price is set. Please set electricity prices via the Plant Management page.