PORTABLE POWER BOX

Raiden Nova

Raiden Nova is a high-performance industrial mobile power station with a 230 V AC input/output interface, a rated capacity of 2304 Wh and peak power of up to 20 kVA, delivering safe and stable electrical power.

Weighing just 24 kg and IP54-rated against dust and water, it is built for harsh environments. It supports app-based remote monitoring over Bluetooth and remote firmware upgrades.

Built-in multi-level safety protection and an air-cooled thermal system give an overall efficiency of 97%, with a full charge in just 2.5 hours.



3600 W RATED OUTPUT	**20 kVA** PEAK POWER	**2304 Wh** RATED ENERGY
2.5 h FULL CHARGE	**IP54** DUST & WATER	**24 kg** WEIGHT

KEY FEATURES

Bluetooth & App Control
Remote monitoring via the app and remote firmware upgrades.

IP54 Dust & Water Protection
Adapts to various harsh environments.

97% Overall Efficiency
Pure sine wave output; 0.99 input power factor.

Multi-Level Protection
Overcharge, over-discharge, overcurrent, short circuit, over-temperature and over-voltage.

APPLICATIONS

Construction sites · Outdoor activities · Agricultural operations · Emergency rescue

GENERAL

Weight	24 kg
Dimensions	526 × 485 × 211 mm
IP rating	IP54 (dust & splash resistant)
Protection class	Class I
Power supply system	TN and TT
Cooling	External natural cooling (internal air cooling)
Operating altitude	Up to 2000 m
Power indicator	10 LED power indicator lights

OUTPUT

Rated output power	3600 W
Rated output voltage	230 V AC, pure sine wave
Rated output frequency	50 Hz
Peak power	20 kVA Power factor 0.8
Output peak current	140 A Maximum instantaneous value
Overload capability	150%: 4000–5400 W, >500 s 200%: 5400–7200 W, >50 s 250%: 7200–9000 W, >10 s >9000 W, >1 s
No-load consumption	≤ 30 W

RAIDEN NOVA TECHNICAL SPECIFICATIONS

RAIDEN® INDUSTRIES

INPUT & CHARGING

Rated input voltage	230 V AC
Rated input power	1200 W
Rated input current	6 A
Input frequency range	45–65 Hz
Power factor	0.99
Input grid protection	16 A
Overvoltage category	OVC II
Full charge time	2.5 h

OPERATING CONDITIONS

Charge temp.	5 °C to 40 °C
Discharge temp.	−15 °C to 55 °C
Working humidity	10–90% RH
Storage humidity	5–95% RH

CONNECTIVITY

Wireless	Bluetooth
Frequency range	2400–2483.5 MHz
Smart features	App monitoring, remote firmware upgrade

Battery Specifications				
Battery type	Nominal voltage	Rated energy	Battery capacity	Max. discharge current
Li-ion (INR22/71)	**72 V × 8**	**2304 Wh**	**4 Ah**	**35 A**

Protection: overcharge, over-discharge, overcurrent, short circuit, over-temperature and over-voltage.

APPEARANCE



1 Handle	2 Power state indicator	3 Power ON/OFF switch
4 AC output ports	5 AC input port	6 Front cover
7 Back cover	8 Box	9 Grounding port

PACKING LIST

Raiden Nova Power station × 1	**Charging cable** 1800 mm · 1.5 mm² H05VV-F	**Grounding cable** 500 mm · 3.3 mm² AWM3135	**User manual** × 1

STANDARDS

IEC/EN 62477-1 · IEC 62619 · IEC 60730 Annex H · UN38.3 · EN 61000-6-1/-2/-3/-4 · EN 301489-1/-17 · EN 300328 · EN 62479 · AS/NZS 62368-1