

Hybrid Power System

powered by **Denyo**

Made exclusively for:

BLUE DIAMOND
MACHINERY

by Makinex

Hybrid Power System HPS45 - powered by Denyo Portable, silent and clean energy



REMOTE MONITORING



LOWER EMISSIONS



Generator System

Battery System



PORTABLE



SILENT POWER

Model	HPS45	• Remote Monitoring	Online Portal/Alarms, GSM/WIFI
Voltage	240/415V	• Noise(7m)	60dBA
Inverter Power	45kVA	• Dimensions(OPEN)	2 x 4.2m (L) x 4.3m (W) x 2.4m (H)
Battery	64kWh	• Dimensions(TRANSPORT)	2 x 1.35m (L) x 2.4m(W) x 2.6m (H)
Solar Power	7.2kW	• Weight(dry)	2 Ton per skid
Generator 4 Pole	45kVA/36kW Diesel	• Fuel Tank Capacity	400L
Outlets	32A 3-phase & 15A single phase	•	

Kilowatts/hr ^{*1}	Battery Run Time ^{*2}	Solar Run Time ^{*3}	Total Run Time	Recharge Time No Load	Recharge Time With Load ^{*1}	Gen Run Time on 24 hr Usage ^{*4}	Total Kilowatt Hours ^{*5}	Gen Run Time Reduction ^{*5}
5	8 h 18 min	5 h 48 min	14 h 6 min	1 h 5 min	1 h 48 min	1 h 48 min	120 kWhrs	92%
10	4 h 12 min	2 h 54 min	7 h 6 min		2 h 18 min	6 h 54 min	240 kWhrs	71%
14	3 h	2 h 6 min	5 h 6 min		3 h	10 h	336 kWhrs	58%
18	2 h 18 min	1 h 36 min	3 h 54 min		4 h 12 min	13 h 12 min	432 kWhrs	45%
22	1 h 54 min	1 h 18 min	3 h 12 min		6 h 54 min	17 h 6 min	528 kWhrs	29%
26	1 h 36 min	1 h 6 min	2 h 42 min		20 h 48 min	20 h 48 min	624 kWhrs	13%

^{*1} Based on constant load

^{*2} Based on total battery 64kWh (65% DOD)

^{*3} Based on 7.2kw solar array of the HPS and 4 hours average direct sunlight based on Sydney NSW averaged over 12 months

^{*4} Based on fuel economy - 7 L/h @ 75% load

^{*5} Based on 24 hour continuous usage