

# Hybrid Power System

powered by **Denyo**

Made exclusively for:

**BLUE DIAMOND**  
MACHINERY

by Makinex

## Hybrid Power System HPS20 - powered by Denyo Portable, silent and clean energy



REMOTE MONITORING



LOWER EMISSIONS



PORTABLE



SILENT POWER

Model	HPS20	• Remote Monitoring	Online Portal/Alarms, GSM/WIFI
Voltage	240/415V	• Noise(7m)	60dBA
Inverter Power	20kVA	• Dimensions(OPEN)	4.2m (L) x 4.3m (W) x 2.4m (H)
Battery	32kWh	• Dimensions(TRANSPORT)	1.35m (L) x 2.4m(W) x 2.6m (H)
Solar Power	3.6kW	• Weight(dry)	1.9 Tonne
Generator 4 Pole	20kVA/16kW Diesel	• Fuel Tank Capacity	400L
Outlets	32A 3-phase and 15A single phase	•	

Kilowatts/hr <sup>*1</sup>	Battery Run Time <sup>*2</sup>	Solar Run Time <sup>*3</sup>	Total Run Time	Recharge Time No Load	Recharge Time With Load <sup>*1</sup>	Gen Run Time on 24 hr Usage <sup>*4</sup>	Total Kilowatt Hours <sup>*5</sup>	Gen Run Time Reduction <sup>*5</sup>
3	6 h 54 min	4 h 48 min	11 h 42 min		1 h 42 min	3 h 30 min	72 kWhrs	86%
4	5 h 12 min	3 h 36 min	8 h 48 min		1 h 54 min	4 h 48 min	96 kWhrs	80%
5	4 h 12 min	2 h 54 min	7 h 6 min		2 h 6 min	6 h 12 min	120 kWhrs	74%
6	3 h 30 min	2 h 24 min	5 h 54 min	1 h 24 min	2 h 18 min	8 h 42 min	144 kWhrs	64%
7	3 h	2 h 6 min	5 h 6 min		2 h 36 min	10 h 6 min	168 kWhrs	58%
8	2 h 36 min	1 h 48 min	4 h 24 min		3 h	11 h 48 min	192 kWhrs	51%
9	2 h 18 min	1 h 36 min	3 h 54 min		3 h 30 min	13 h 12 min	216 kWhrs	45%
10	2 h 6 min	1 h 24 min	3 h 30 min		4 h 12 min	14 h 18 min	240 kWhrs	41%

<sup>\*1</sup> Based on constant load

<sup>\*2</sup> Based on total battery 32kWh (65% DOD)

<sup>\*3</sup> Based on 3.6kw solar array of the HPS and 4 hours average direct sunlight based on Sydney NSW averaged over 12 months

<sup>\*4</sup> Based on fuel economy - 3.38 L/h @ 75% load

<sup>\*5</sup> Based on 24 hour continuous usage