



### TECHNICAL OVERVIEW

|                  |                    |
|------------------|--------------------|
| MODEL            | PH10/20            |
| RATED POWER      | 10 kVA             |
| BATTERY CAPACITY | 20 kWh             |
| SOLAR CAPACITY   | 5 x 460 W PANELS   |
| FUEL TYPE        | DIESEL             |
| SPEED            | 1500 RPM           |
| TYPE             | HEAVY DUTY         |
| FREQUENCY        | 50Hz               |
| PHASE/VOLTAGE    | THREE PHASE / 415V |
| FUEL CAPACITY    | 100 LTR            |

### ENGINE

|                    |                     |
|--------------------|---------------------|
| MANUFACTURER       | YANMAR              |
| ENGINE MODEL       | 3TNV88              |
| CYLINDER/ CAPACITY | 3 CYL / 1.642 LTR   |
| INDUCTION          | NATURALLY ASPIRATED |
| FUEL CONSUMPTION   | 2.5 L/HR @ 75% LOAD |
| GOVERNOR           | MECHANICAL          |
| OIL CAPACITY       | 6.7 LTR             |
| COOLANT CAPACITY   | 14.8 LTR            |

### ALTERNATOR

|                     |                       |
|---------------------|-----------------------|
| BRAND AND MODEL     | LEROY SOMER TAL-A40-C |
| TYPE                | BRUSHLESS / AVR       |
| HARMONIC DISTORTION | LESS THAN 5%          |
| INSULATION CLASS    | CLASS H               |

### SAVE MONEY AND THE ENVIRONMENT

- UP TO 85% REDUCTION IN GENERATOR RUN TIME
- UP TO 90% REDUCTION IN EMISSIONS
- LATEST INVERTER-BATTERY TECHNOLOGY
- 50% + FUEL COST REDUCTION

### FEATURES

|                                            |
|--------------------------------------------|
| ALL IN ONE HYBRID POWER SYSTEM             |
| SILENCED CANOPY – 60 dB(A) @ 7M            |
| HEAVY DUTY SKID BASE WITH FORK POCKETS     |
| BUNDED FUEL TANK                           |
| CANOPY – GALVANISED POWDER COAT            |
| REMOTE MONITORING CONTROL SYSTEM           |
| OUTLETS – 3 x 15 AMP 240V, 1 x 32 AMP 415V |
| EXTERNAL FUEL CONNECTION                   |

### CONTROLS

|                 |             |
|-----------------|-------------|
| BRAND AND MODEL | DEESEA 7420 |
| CIRCUIT BREAKER | FOUR POLE   |

### BATTERY

|                    |                |
|--------------------|----------------|
| CELL TYPE          | LFP (LiFePO4)  |
| PACK MODEL         | MF51100        |
| PACK CAPACITY      | 5.12 kWh       |
| PACK RATED VOLTAGE | 51.2 VDC       |
| DISCHARGE DEPTH    | 90%            |
| RATED CYCLE LIFE   | ≥ 6000 80% DOD |

### DIMENSIONS

|                                    |                              |
|------------------------------------|------------------------------|
| LENGTH / WIDTH / HEIGHT (EXPANDED) | 306 CM / 117.4 CM / 218.8 CM |
| WEIGHT (DRY)                       | 2330 KG                      |

