



A **ZENER** VARIDRIVE SOLUTION

**1300 493 637**

www.zener.com.au

ZENER VARIDRIVE SOLUTIONS ABN: 82 001 595 428

Head Office: 366 Horsley Road Milperra NSW 2214

PO Box 347 Milperra LPO NSW 2214

P: +61 2 9795 3600 F: +61 2 9795 3611

Regional NSW: 1 William Street Maryville NSW 2293

P: +61 2 4969 6788 F: +61 2 4962 1451

Email: sales@zener.net

## Solar Application Sizing Checklist

The following is required to provide a quotation. Please complete an email to: sales@zener.net

	EXAMPLE	DATA
<b>SOLAR PANEL DATA</b>		
MANUFACTURER	TrinaSolar	
MODEL NUMBER	TSM-DD05A.05(II) 275	
CONFIGURATION (IF EXISTING)	19 Panels/string x 20strings	
<b>SITE DETAILS</b>		
LOCATION CITY AND/OR CO-ORDINATES	SCONE (32.05°S, 150.85°E)	
<b>ELECTRIC MOTOR AND PUMP</b>	35Amps @ 80% speed	
Actual Motor running current & Speed (if existing System)		
MOTOR MANUFACTURER & MODEL/PART NO.	POPE (attach Data sheet)	
<b>OR</b>		
MOTOR SIZE (kW or HP)	22kW	
MOTOR RATED VOLTAGE (Lowest if multi-voltage)	380V	
RATED CURRENT AMPS (Highest Voltage if multi-voltage)	45Amps	
MOTOR EFFICIENCY @ Full Load Current	82%	
MOTOR POWER FACTOR @ Full Load Current	0.74	
<b>TYPE OF PUMP/LOAD</b>	Bore Pump	
Centrifugal, Positive displacement, Bore, Submersible Or Other. Please specify		
<b>MOTOR LOAD CONDITIONS</b>		
Maximum required shaft power (kW)	16kW	
Operating speed for maximum required Shaft Power (%)	90%	
Minimum usable motor shaft power (kW)	4.75kW	
Hours of run time per day if blended system (Hrs/day)	10	
<b>TYPE OF APPLICATION</b>		
Tank Fill, Pressure Control or other – please specify	Tank Fill	
Solar PV Only or Blended System (Solar + AC)	Blended	
<b>AUXILIARY SUPPLY VOLTAGE</b>	YES	
Single Phase or 3 Phase	3 Phase	
GRID or Generator	GRID	
AC supply voltage (VAC)	415V	
Supply Frequency	50Hz	