

ORGHO 39/

‡ +LJK 7HPSHUDWXUH DQG /RZ /LJKW 3HUIRUPDQFH
‡ <HDU /LPLWHG 3URGXFW :DUUDQW\
‡ /LPLWHG 3RZHU 2XWSXW :DUUDQW\
DW \HDUV DW \HDUV DW \HDUV RI PLQLPXP SRZHU
‡ 4XLFN &RQQHFW 7HUPLQDOV DQG \$GKHVLYH %DFNLQJ
‡ %\SDVV 'LRGHV IRU 6KDGRZ 7ROHUDQFH

3HUIRUPDQFH &KDUDFWHULVWLFV

5DWHG 3RZHU 3 :S
3URGXFWLROHUDQFH

&RQVWUXFWLRQ &KDUDFWHULVWLFV

'LPHQVLRQHQJWK PP :LGWKP 'HSWK
PP LQFOXGLQJ SRWWHG WHUPLQDO KRXLQJ DVVHPEO\
:HLJKW NJ OEV
2XWSXW &DPOHV \$:\* FDEOH ZLWK ZHDWKHUSURRI '& UDWHG TXLFN FRQQHFW
PP OHQJWK
%\SDVV 'LRGHVHFHWHG DFURVV HYHU\ VRODU FHOV
(QFDSVXODYULROH (7)( KLJK OLJKW WUDQVPLVVLYH SRO\PHU
\$GKHVLYH(WK\OHQH SURS\OHQH FRSRO\PHU DGKHVLYH VHDODQW ZLWK PLFUR
&HOO 7\SH WULSOH MXQFWLRQ DPRUSKRXV V\PLFRQ VRODU FHOV PP
[ FRQQHFWHG LQ VHULHV

4XDOLFDWLRQ DQG 6DIHW\

8/ /LVWHG E\ 8QGHUZULWHUV /DERUDWRULHU\IRU HQKFWLFDQ DQ
c UL us 6ORSH &ODVV %OD[ 6ORSH &ODVV & 8QOLPLWHG 6ORSH UH
V\VVHPV XS WR 9'&



,(& DQG ,(& FHUWLHG E\ 7h9 5KHLQODQG IRU XVH LQ V\
WR 9'&

/DPLQDWH 6WDQGDUG &RQJXUDWLRQ

3KRWRYROWDLF ODPLQDWH ZLWK SRWWHG WHUPLQDO KRXLQJ DVVHPEO\ ZLW
WHUPLQDOV RQ WRS
6KDGRZ 7ROHUDQW

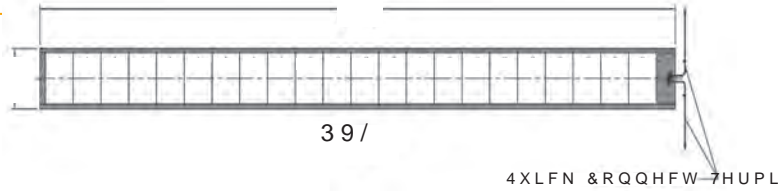
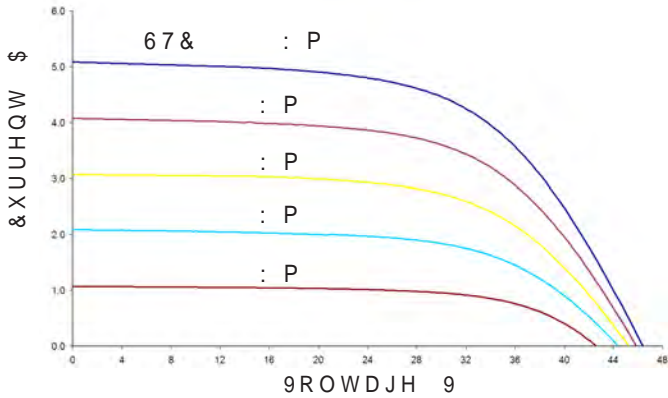
\$\$SOLFDFWLRQ &ULWHULD

‡ ,QVWDOODWLRQ WHPSHUDWXUH EHWZHHQ f& f& f)
‡ OD[LXP URRI WHPSHUDWXUH f& f)
‡ OLQLPXP VORSH f
‡ OD[LXP VORSH f
‡ \$\$\$URYHG VXEVWUDWHV LQFOXGH FHUWDLQ PHPEUDQH DQG PHYDO URRI QJ
GHWDLOV
‡ LJK 7HPSHUDQFH
3HUIRUPDQFH

'HWDLOHG LQVWDOODWLRQ UHTXLUHPHQWV DUH VSHFLHG LQ 8QLWHG 6RODU
/RZ 7LJKW
3HUIRUPDQFH



,9 &XUYHV DW YDULRXV /HYHOV RI ,UUDGLDQFH DW  
 \$LU 0DVV DQG f & HOO 7HPSHUDWXUH



\$OO PHDVXUHPHQWV LQ PP  
 ,QFKHV LQ SDUHQWKHVHV  
 7ROHUDQFHV /HQJWK " PP :LGWK

(OHFWULFDO 6SHFL¿FDWLRQV

67& 12&7  
 6WDQG DUG 7HVW &RQGLWLRQV 1RPLQDO 2SHUDWLQJ & HOO 7HPSHUDWXUH  
 : P \$0 f & HOO 7HPSHUDWXUH P VHF ZLQG

0D[LPXP 3RZHU 3: 0D[LPXP 3RZHU 3  
 9ROWDJH DW 3PD 9 9ROWDJH DW 3PD 9  
 &XUUHQW DW 3PD O &XUUHQW DW 3PD O  
 6KRUW FLUFXLW &XUUHQW , 6KRUW FLUFXLW &XUUHQW ,  
 2SHQ FLUFXLW 9ROWDJH 9 2SHQ FLUFXLW 9ROWDJH 9  
 0D[LPXP 6HULHV )XUH 5DWLQJ 12&7 f &

7HPSHUDWXUH & RHI¿FLHQWV  
 DW \$0 : P LUUDGLDQFH

7HPSHUDWXUH & RHI¿FLHQWV. 7& f & ,  
 7HPSHUDWXUH & RHI¿FLHQWV f7& RI 9f &  
 7HPSHUDWXUH & RHI¿FLHQWV f7& RI 3 f &  
 7HPSHUDWXUH & RHI¿FLHQWV. 7& Rf &  
 7HPSHUDWXUH & RHI¿FLHQWV f7& RI 9f &  
 \ \UHIHUHQFH ‡ > 7& ‡ 7 UHIHUHQFH @

1RWHV  
 'XULQJ WKH ¿UVW ZHNV RI RSHUDWLQJ HOHWULFDO RXWSXW H[FHHGV VSHFL¿HG UDWLQJV 3RZHU  
 E\ RSHUDWLQJ YROWDJH PD\ EH KLJKHU E\ DQG RSHUDWLQJ FXUUHQW PD\ EH KLJKHU E\  
 (OHFWULFDO VSHFL¿FDWLRQV DUH EDVHG RQ PHDVXUHPHQWV SHUIRUPHG DW VWDQG DUG WHVW FRQGL  
 LUUDGLDQFH \$LU 0DVV DQG FHOH WHPSHUDWXUH RI f & DIWHU VWDELQJ DWLQJ  
 \$FWXDO SHUIRUPDQFH PD\ YDU\ XS WR IURP UDWHG SRZHU GXH WR OHFWURVHPSHUDWXUH RSHUDWLQJ  
 0D[LPXP VVWHP RSHQ FLUFXLW YROWDJH QRW WR 7HPSHUDWXUH QODQJ SHU 8/ 9' & SHU  
 6SHFL¿FDWLRQV VXEHPHW WR FKDQJH ZLWKRXW QRWLFH

<RXU , 62/ \$5'LVWULEXWRU